

TRANSPORTATION ENHANCEMENT PROJECT
(WITH SECTION 1702 GRANT CONTRIBUTIONS)
NHDOT #14837

FEDERAL PROJECT #TE-X-A000(565)

SOUTH STREET IMPROVEMENT PROJECT

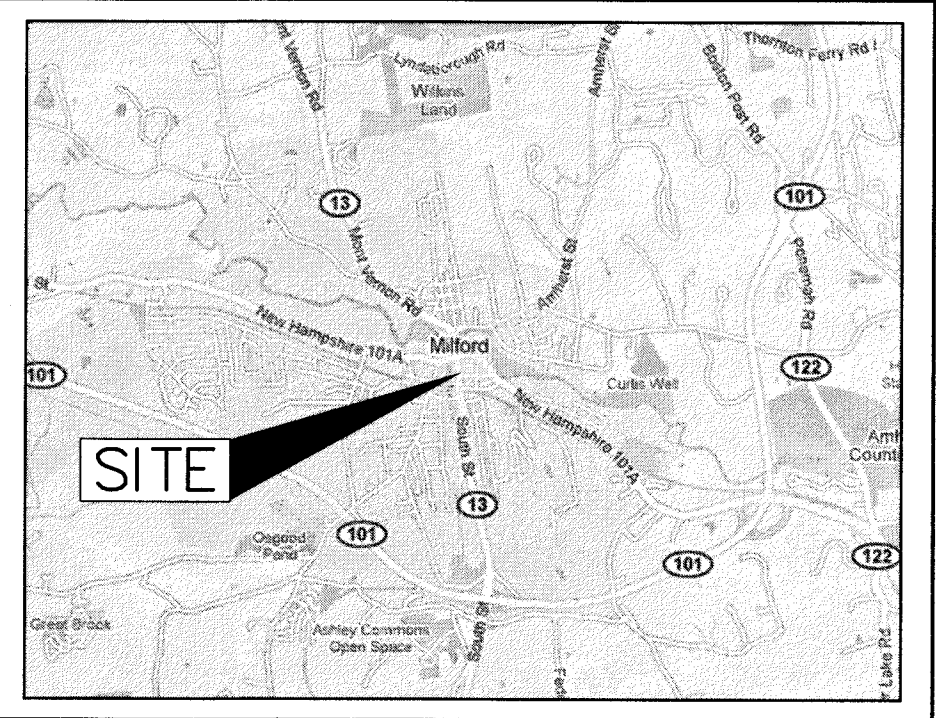
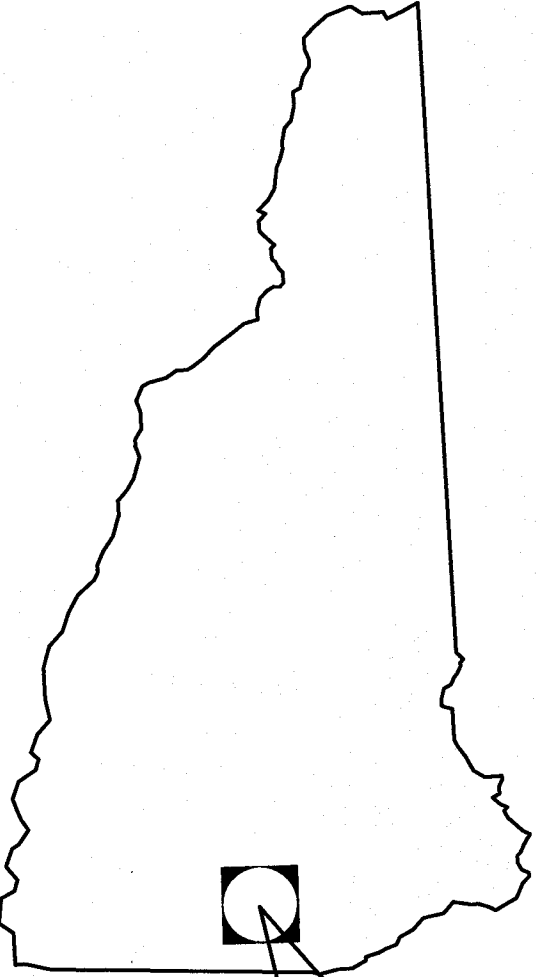
SOUTH STREET (NH ROUTE 13)
MILFORD, NEW HAMPSHIRE
PREPARED FOR
TOWN OF MILFORD

X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

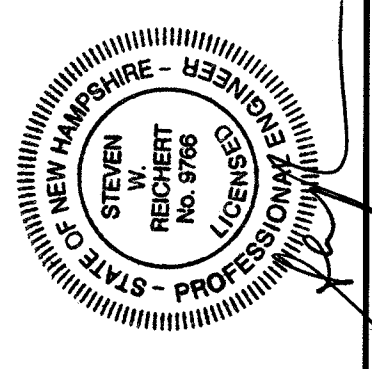
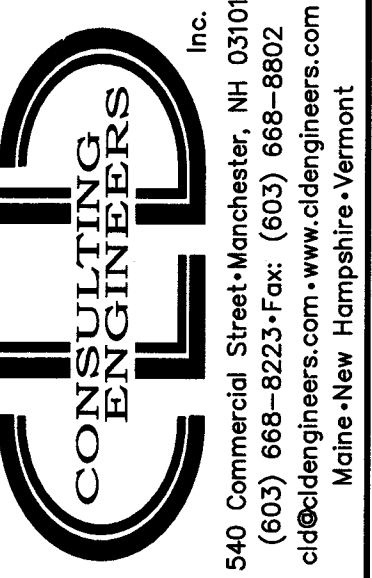
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ISSUE DATE
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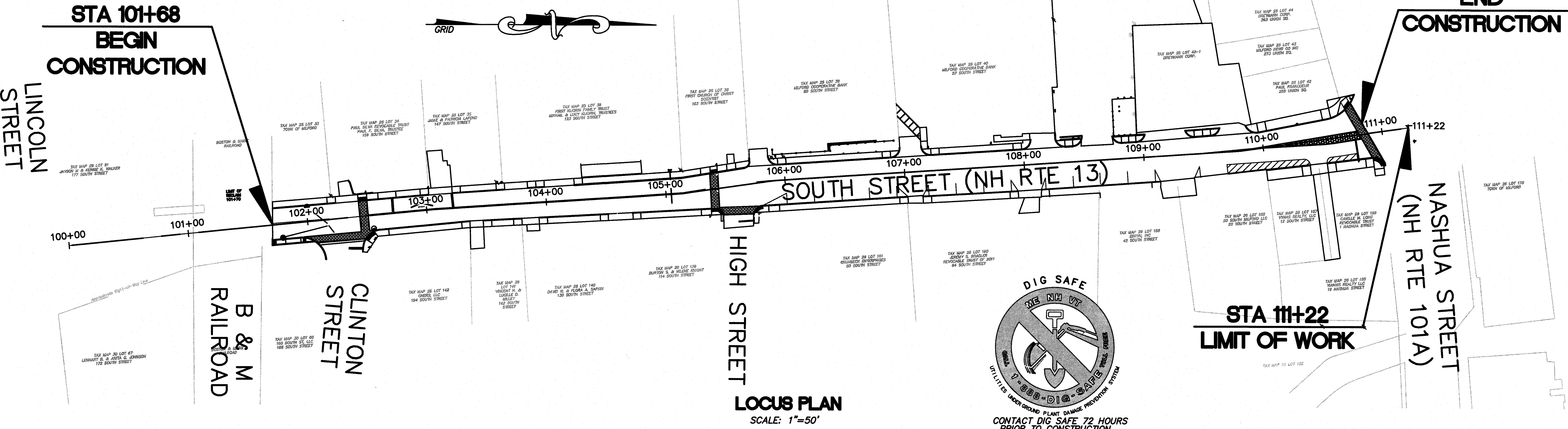
SOURCE: GOOGLE MAPS
SCALE: 1"=1 MILE



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
COVER SHEET

SCALE:
AS SHOWN
DATE:
JAN 2016
JOB NO.
07-0171
DWG.
T1



GENERAL NOTES:

1. THE INTENT OF THIS PLAN IS TO IMPROVE 1,000± LF OF PEDESTRIAN PASSAGE ALONG THE EASTERN AND WESTERN EDGES OF SOUTH STREET BETWEEN NASHUA STREET AND THE RAILROAD CROSSING SOUTH OF CLINTON STREET. CROSSWALKS ARE PROPOSED AS PART OF THIS PROJECT TO CROSS SOUTH STREET AT NASHUA STREET, HIGH STREET, AND CLINTON STREET. CROSSWALKS ARE ALSO PROPOSED ACROSS CLINTON STREET AT SOUTH STREET AND HIGH STREET AT SOUTH STREET. PROVISIONS FOR GRADING AND DRAINAGE ARE PROVIDED WITH THIS PLAN.
2. TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON GROUND SURVEY BY CLD CONSULTING ENGINEERS, INC. IN OCTOBER 2007. THE HORIZONTAL DATUM IS BASED ON NAD 83/96. THE VERTICAL DATUM IS NAVD 88. THE CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
3. IF ANY ERROR OR OMISSION IN THESE PLANS IS DISCOVERED BY THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IN WRITING FOR DIRECTION ON HOW TO PROCEED. THE CONTRACTOR SHALL DISCONTINUE WORK IN THE AFFECTED PROJECT AREA UNTIL AN AGREEMENT HAS BEEN REACHED WITH THIS FIRM AND THE TOWN OF MILFORD ON CORRECTIVE ACTION.
4. THE EXISTING UTILITY INFORMATION SHOWN IS BASED ON A COMBINATION OF FIELD SURVEY, EXISTING RECORD DRAWINGS, AND FIELD EVIDENCE. CLD CONSULTING ENGINEERS, INC. DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO ANY EXCAVATION TO DETERMINE UNDERGROUND UTILITY LOCATIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND ALL EXISTING CONDITIONS SURROUNDING IT AND THEREON. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
6. THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS AND STANDARDS.
7. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
8. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE.
9. SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF APPROVED PLANS, NOT ALL FEATURES ARE DETAILED ON EVERY PLAN. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET.
10. ALL APPLICABLE SIGNAGE, LANDSCAPING, AND SCREENING SHALL MEET THE REQUIREMENTS OF THE TOWN ZONING ORDINANCE AND DEVELOPMENT REGULATIONS.
11. ALL WORK IS TO CONFORM TO THE TOWN OF MILFORD STANDARDS AND SPECIFICATIONS.
12. THE CONTRACTOR SHALL INSTALL NEW OR RESET GRANITE CURBING FOR COMPLETION OF ALL CURB LINES AS INDICATED ON THE PLANS. ALL CURB RADII SHALL BE CONSTRUCTED OF CURVED STONES CUT TO THE INDICATED RADII.
13. WHEREVER NEW OR RESET CURBING IS SET ADJACENT TO EXISTING CURB LINES, THE REVEAL AND FACE OF NEW OR RESET CURB SHALL MATCH THE EXISTING. REFER TO CROSS SECTIONS FOR PROPOSED CURB REVEALS.
14. THE CONTRACTOR SHALL RESTORE ALL DRIVEWAY AND PARKING LOT PAVEMENT ALTERED WITHIN THE LIMITS SHOWN BY REPAVING IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
15. LIMITS OF DEMOLITION FOR SIDEWALK WORK INDICATED ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL REVIEW CUT LINES FOR EACH LOCATION IN THE FIELD WITH THE ENGINEER TO ESTABLISH FINAL CUT LIMITS. THE CUT LINES SHALL BE CLEARLY MARKED AND APPROVED PRIOR TO CUTTING.
16. THE CONTRACTOR SHALL APPLY PAVEMENT MARKINGS AS INDICATED ON THE DRAWINGS. WHERE EXISTING PAVEMENT MARKINGS REMAIN AND CONFLICT WITH THE PROPOSED LAYOUT, THE CONTRACTOR SHALL REMOVE THE EXISTING MARKINGS TO APPLY NEW MARKINGS.
17. ON A DAILY BASIS, THE CONTRACTOR SHALL THOROUGHLY SECURE ALL EXCAVATIONS UPON COMPLETION OF OPERATIONS IN THE IMMEDIATE AREA OF THE EXCAVATION.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY MUNICIPAL CONSTRUCTION PERMITS.
19. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES. THE PROJECT AREA SHALL BE CLEANED DAILY AND EVENING STREET ACCESS MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
20. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY CLD CONSULTING ENGINEERS, INC. DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
21. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS AND WHERE APPLICABLE, VEHICULAR ACCESS TO ABUTTING PROPERTIES AT ALL TIMES, INCLUDING THE PROVISION OF TEMPORARY WALKWAYS AS NECESSARY. TEMPORARY PROVISIONS SHALL CONSIDER THE NEEDS OF DISABLED PERSONS. PROVISION OF MEANS OF TEMPORARY ACCESS SHALL BE CONSIDERED SUBSIDIARY TO RELATED WORK ITEMS.
22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION IN EVERY DETAIL OF THE WORK DESCRIBED ON THE PLANS AND IN THE SPECIFICATIONS. THE CONTRACTOR SHALL ARRANGE FOR ALL SPECIFIED UNDERGROUND UTILITY INSTALLATIONS AND INSURE THAT SUCH WORK CONFORMS WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE GOVERNING UTILITY AUTHORITY. ALL TRENCHING AND BACK FILLING RELATIVE TO THESE FACILITIES SHALL CONFORM TO THE STANDARD SPECIFICATION OF THE TOWN OF MILFORD.
23. BEFORE ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL REMOVE FROM WITHIN THE LIMITS OF THE RIGHT-OF-WAY, ALL MACHINERY, EQUIPMENT, SURPLUS MATERIALS, FALSEWORK, STUMPS, RUBBISH, TEMPORARY BUILDINGS, BARRICADES AND SIGNS. ALL PARTS OF THE WORK SHALL BE LEFT IN A NEAT AND PRESENTABLE CONDITION.
24. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING AND COORDINATING WITH ALL ABUTTERS, PROPERTY AND BUSINESS OWNERS PRIOR TO COMMENCING WORK.
25. THE CONTRACTOR MAY ARRANGE WITH THE TOWN OF MILFORD FOR A SECURE STORAGE LOCATION ADJACENT TO OR WITHIN THE PROJECT LIMITS.
26. STREET PRINT CROSSWALKS SHALL BE INSTALLED PER SPECIFICATIONS. ALL CROSSWALKS SHALL HAVE 6" WIDE WHITE STRIPES INSTALLED IN ACCORDANCE WITH TOWN OF MILFORD STANDARDS.

27. THIS PROJECT INCLUDES RELOCATION OF EXISTING OVERHEAD UTILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANIES. ALL WORK PERFORMED SHALL COMPLY WITH EACH UTILITY COMPANY'S STANDARDS.

28. THIS PROJECT DOES NOT INCLUDE RESETTING OF EXISTING GRANITE BACK CURB. IN THE EVENT THAT BACK CURB IS DISTURBED, NEW HAMPSHIRE DIVISION OF HISTORICAL RESOURCES (NHDHR) REQUIRES THAT ALL EXISTING CURB BE RESET IN THE SAME LOCATION. MOVING CURB TO OTHER LOCATIONS WILL NOT BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING, NUMBERING, AND KEEPING AN INVENTORY OF ALL CURB TO ENSURE NHDHR RULES ARE MET. IN THE EVENT OF BREAKAGE, CURB SHALL BE REPLACED IN KIND WITH GRANITE CURB OF SIMILAR QUALITY AND CONDITION PRIOR TO BREAKAGE. SEE SPECIFICATION SECTION 609.

29. THIS PROJECT INCLUDES RESETTING OF EXISTING GRANITE CURB. IN THE EVENT OF BREAKAGE, CURB SHALL BE REPLACED IN KIND WITH GRANITE CURB OF SIMILAR QUALITY AND CONDITION PRIOR TO BREAKAGE.

30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL FRAMES, GRATES, MANHOLE COVERS, WATER GATES, AND GAS VALVE BOXES TO FINISH GRADE PRIOR TO WEARING COURSE PAVING. TEMPORARY SHIM PAVING AROUND CASTINGS MAY BE REQUIRED AND SHALL BE INSTALLED BY THE CONTRACTOR. SHIM PAVING SHALL BE SUBSIDIARY TO THE ADJUSTMENT OF THESE CASTINGS.

31. POLYETHYLENE LINERS SHALL BE PLACED IN ALL NEW CATCH BASINS.

32. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONDUIT INSTALLATION TO MATCH THE EXISTING CONDITIONS PRIOR TO INSTALLATION OR AS INDICATED ON THE PLANS. PAYMENT FOR RESTORATION SHALL BE SUBSIDIARY TO CONDUIT INSTALLATION. ANY DAMAGED EXISTING LANDSCAPED PLANTINGS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

33. UNDERGROUND UTILITY BUILDING SERVICE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND PROPERTY OWNERS TO CONFIRM UNDERGROUND SERVICE LOCATIONS PRIOR TO INSTALLATION.

34. THE CONTRACTOR SHALL ONLY USE A CORING MACHINE TO MODIFY EXISTING OR NEW STRUCTURES FOR PIPE AND CONDUIT CONNECTIONS. USE OF ANY OTHER EQUIPMENT FOR THIS PURPOSE WILL NOT BE ALLOWED. CORING OF STRUCTURES SHALL BE SUBSIDIARY TO PIPE OR CONDUIT WORK ITEMS.

ABUTTERS LIST

(UPDATED AS OF JANUARY, 2016)

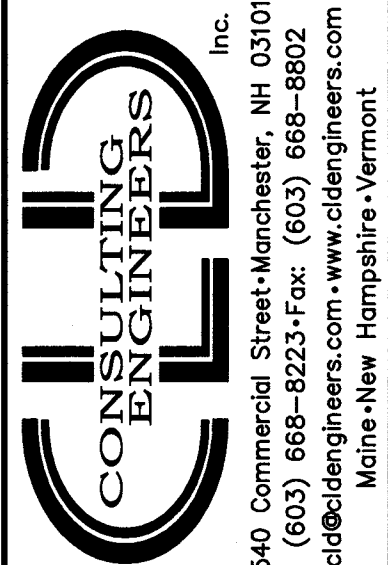
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MAP 25/LOT 32	TOWN OF MILFORD 1 UNION SQUARE MILFORD, NH 03055-4230	MAP 26/LOT 139	BURTON S. & WILENE KNIGHT 86 SPRING RD AMHERST, NH 03031-1907
MAP 25/LOT 33	TOWN OF MILFORD 1 UNION SQUARE MILFORD, NH 03055-4230	MAP 26/LOT 140	DAVID W. & FLORA A. SAPSIN CO-OWNER: JASON SAPSIN 15 OSPREY LANE NEWMARKET, NH 03857
MAP 25/LOT 34	PAUL SILVA REVOCABLE TRUST PAUL F. SILVA TRUSTEE 184 NASHUA ST MILFORD, NH 03055-3747	MAP 26/LOT 141	VINCENT H. & LUCILLE D. MILLEY 29 STORYBROOK LA AMHERST, NH 03031-2604
MAP 25/LOT 35	JAMIE & PATRICIA LAFOND 147 SOUTH STREET MILFORD, NH 03055	MAP 26/LOT 142	CHERB, LLC P.O. BOX 227 MILFORD, NH 03055-0227
MAP 25/LOT 36	MIKHAIL & LUCY KLIORIN TRUST FIRST KLIORIN FAMILY TRUST 85 HILLS FERRY RD NASHUA, NH 03064	MAP 26/LOT 155	YIANNIS REALTY LLC 12 SOUTH STREET MILFORD, NH 03055
MAP 25/LOT 38	FIRST CHURCH OF CHRIST SCIENTIST 103 SOUTH ST MILFORD, NH 03055-3736	MAP 26/LOT 156	CAMILLE M. LONG REVOCABLE TRUST CHRISTOPHER S. CHAMBERLAIN & JON D. CHAMBERLAIN, CO-TRUSTEES 385 MT. STODDARD ROAD STODDARD, NH 03464
MAP 25/LOT 39	MILFORD COOPERATIVE BANK C/O T.D. BANK 380 WELLINGTON ST 12TH FLOOR LONDON, ON N6A 4S4	MAP 26/LOT 157	VYNAS REALTY, LLC 12 SOUTH ST MILFORD, NH 03055-3765
MAP 25/LOT 40	MILFORD COOPERATIVE BANK C/O T.D. BANK 380 WELLINGTON ST 12TH FLOOR LONDON, ON N6A 4S4	MAP 26/LOT 158	20 SOUTH MILFORD, LLC P.O. BOX 7324 GILFORD, NH 03247
MAP 25/LOT 42	PAUL FRANCOEUR 271 SEWELL STREET MANCHESTER, NH 03103	MAP 26/LOT 159	EDRYN, INC P.O. BOX 203 MILFORD, NH 03055-0203
MAP 25/LOT 42-1	DREYMANN CORP. P.O. BOX 203 MILFORD, NH 03055	MAP 26/LOT 160	JEREMY BRADLER, TRUSTEE JEREMY S. BRADLER REVOCABLE TRUST OF 2011 P.O. BOX 203 MILFORD, NH 03055
MAP 25/LOT 43	MILFORD NEWS CO INC. 16 OAK STREET MILFORD, NH 03055	MAP 26/LOT 178	TOWN OF MILFORD 1 UNION SQUARE MILFORD, NH 03055-4230
MAP 25/LOT 44	DREYMANN CORP. P.O. BOX 203 MILFORD, NH 03055	MAP 26/LOT 161	GRUNBECK ENTERPRISES, LLC 6 FAIR OAKS DRIVE AMHERST, NH 03031
MAP 25/LOT 45	PASTA LOFT RESTAURANT II, LLC P.O. BOX 1202 E. HAMPSTEAD, NH 03841	MAP 30/LOT 66	168 SOUTH STREET LLC C/O. PATEL D. SHAILESH 94 FOXBERRY DRIVE NEW BOSTON, NH 03070

LEGEND

EXISTING	PROPOSED
UNDERGROUND UTILITIES	— UGE —
TELEPHONE LINE	— T —
GAS LINE	— GAS —
WATER LINE	— W —
OVERHEAD UTILITIES	— OHW —
VERTICAL GRANITE CURB	— VGC —
SLOPED GRANITE CURB	— SGC —
BITUMINOUS CURB	— BC —
CHAIN LINK FENCE	— —
GUARD RAIL	— —
TREE LINE	— —
SPOT GRADE	X 200.0
SEWER MANHOLE	⊗
CATCH BASIN	⊗
DRAIN MANHOLE	⊗
FIRE HYDRANT	⊗
GAS GATE	⊗
WATER VALVE	⊗
ELECTRIC MANHOLE	⊗ EMH
TELEPHONE MANHOLE	⊗ TMH
STREET SIGN	— —
LIGHT POLE	— —
FLOOD LIGHT	— —
UTILITY POLE	— —
PERC TEST	— —
TEST PIT	— —
BENCHMARK	— —
GUY POLE	— —
IRON PIN, DRILL HOLE, BOUND	— —
DECIDUOUS TREE	— —
CONIFER TREE	— —
H.C. PAVEMENT MARKING	— —
TRAFFIC FLOW	— —
EXISTING STONE WALL	— —
EDGE OF WETLANDS	— —
PROPERTY LINE	— —
SILT FENCE	— —
HAY BALES	— —
ZONING BOUNDARY	— —
STANDARD DETAIL SYMBOL	— —

X-A000(565)/14837 – MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

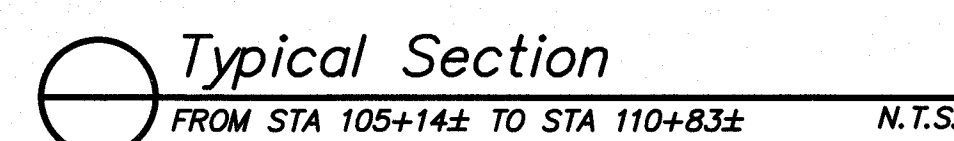
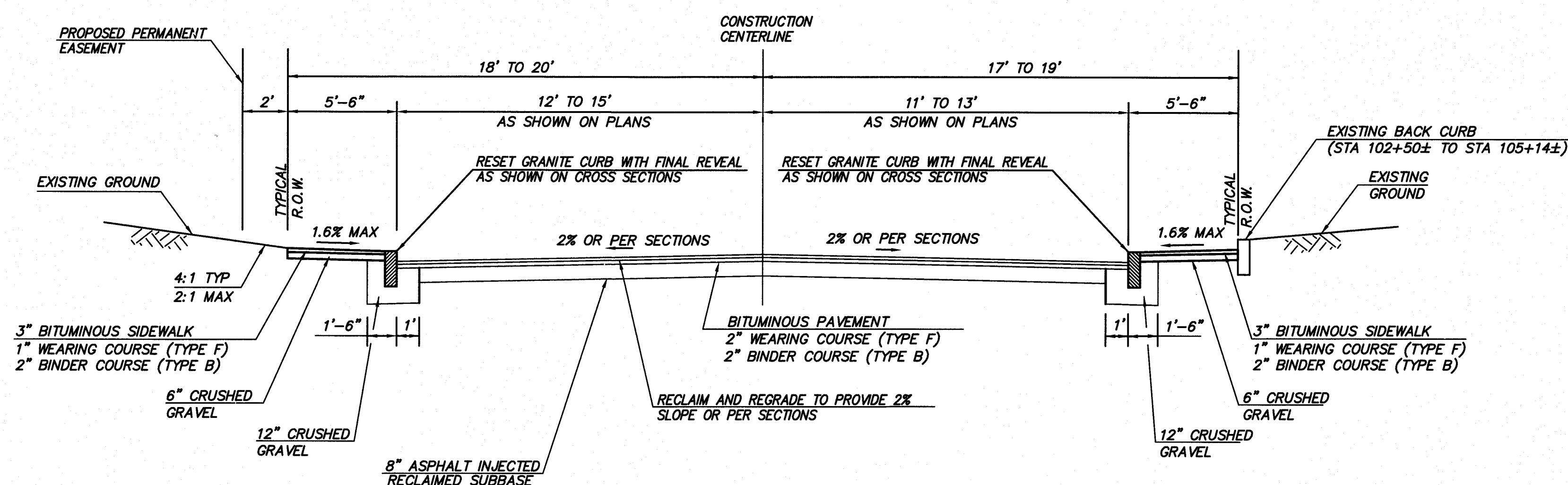
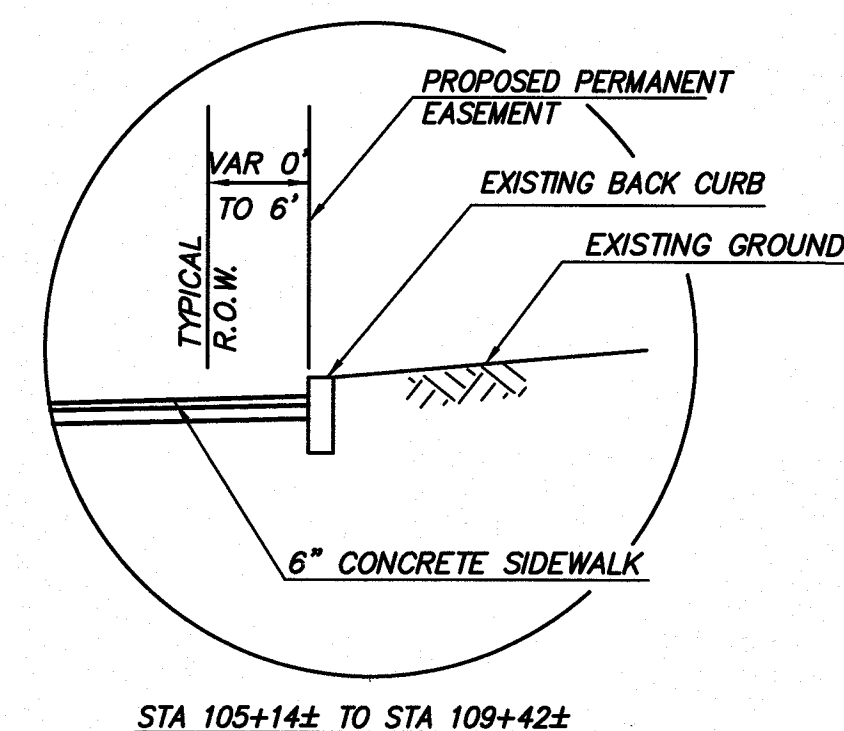
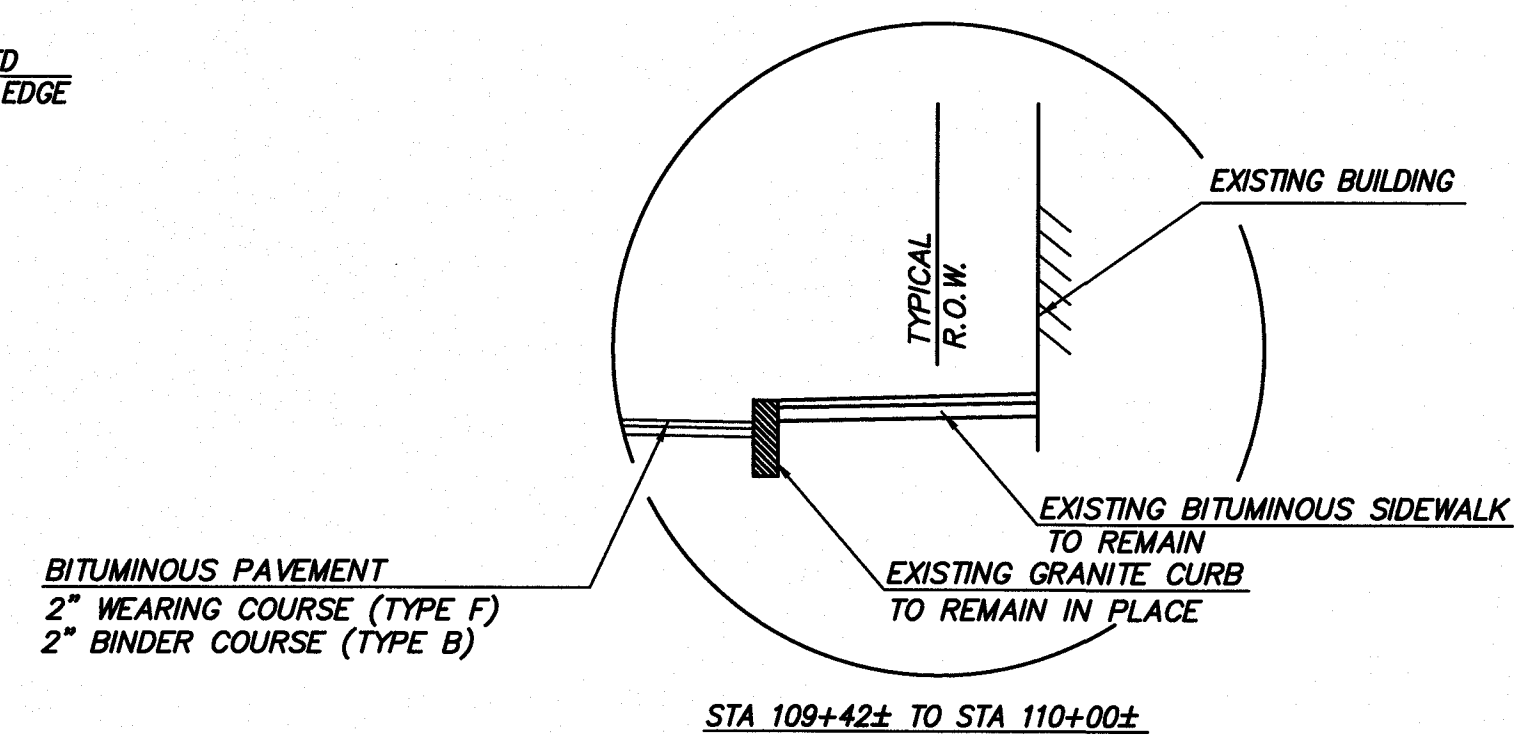
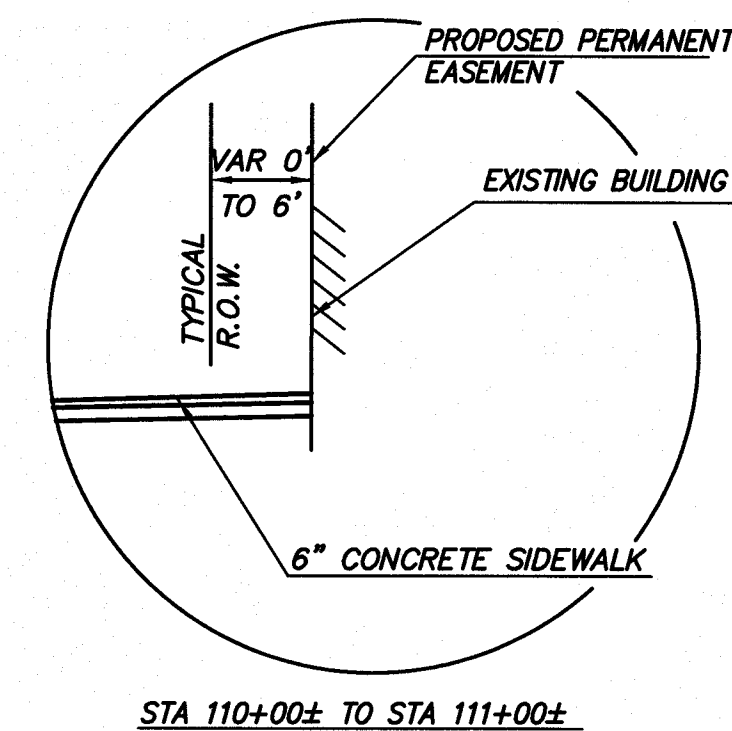
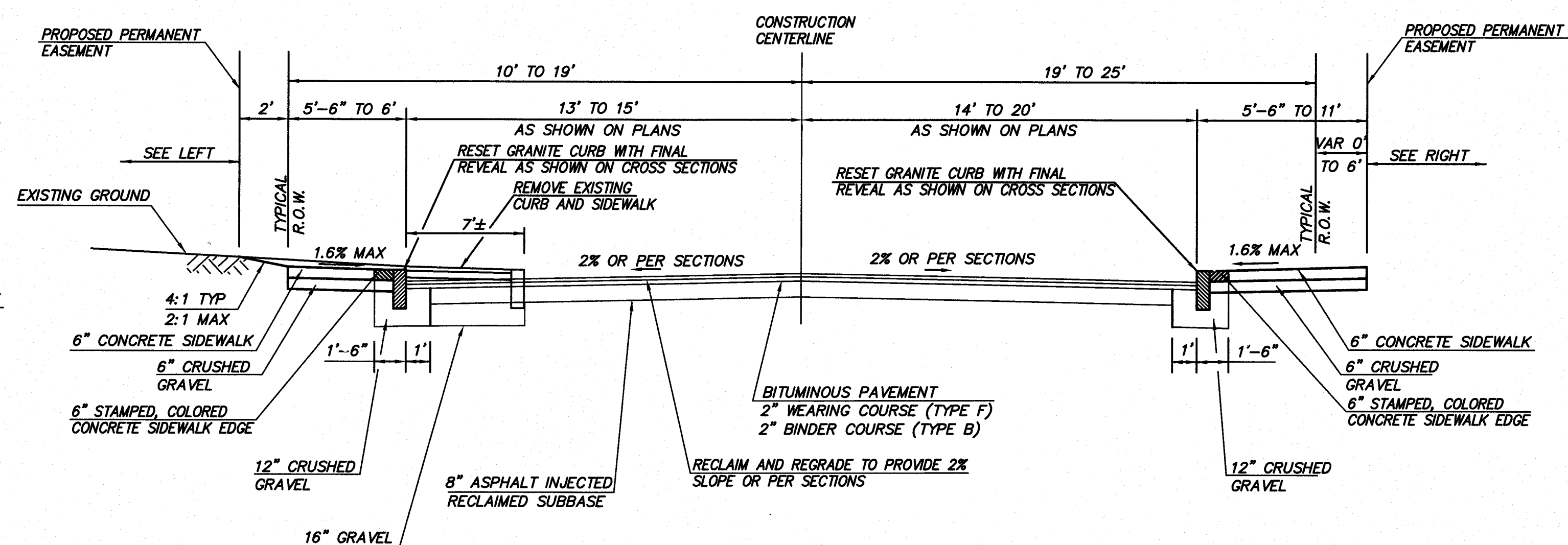
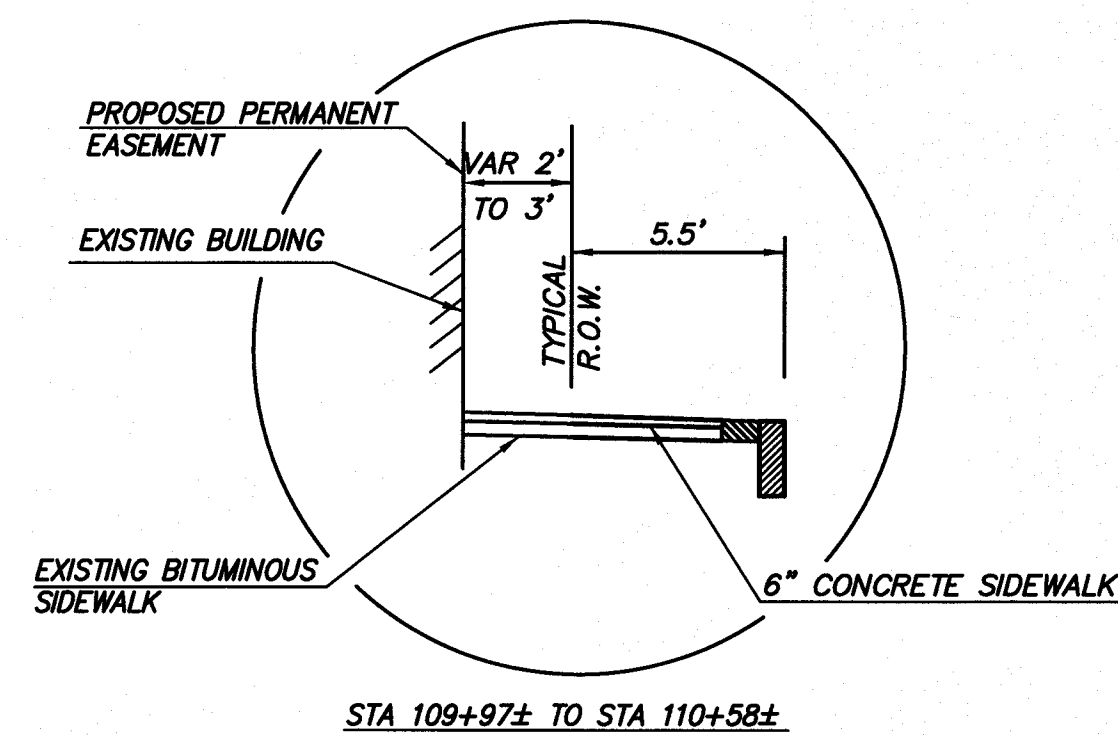
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NO.	DATE	DRAWN: MWS/MFH		
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TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
GENERAL INFORMATION

SCALE: N.T.S.	JOB NO. 07-0171
DATE: JAN 2016	DWG. T2

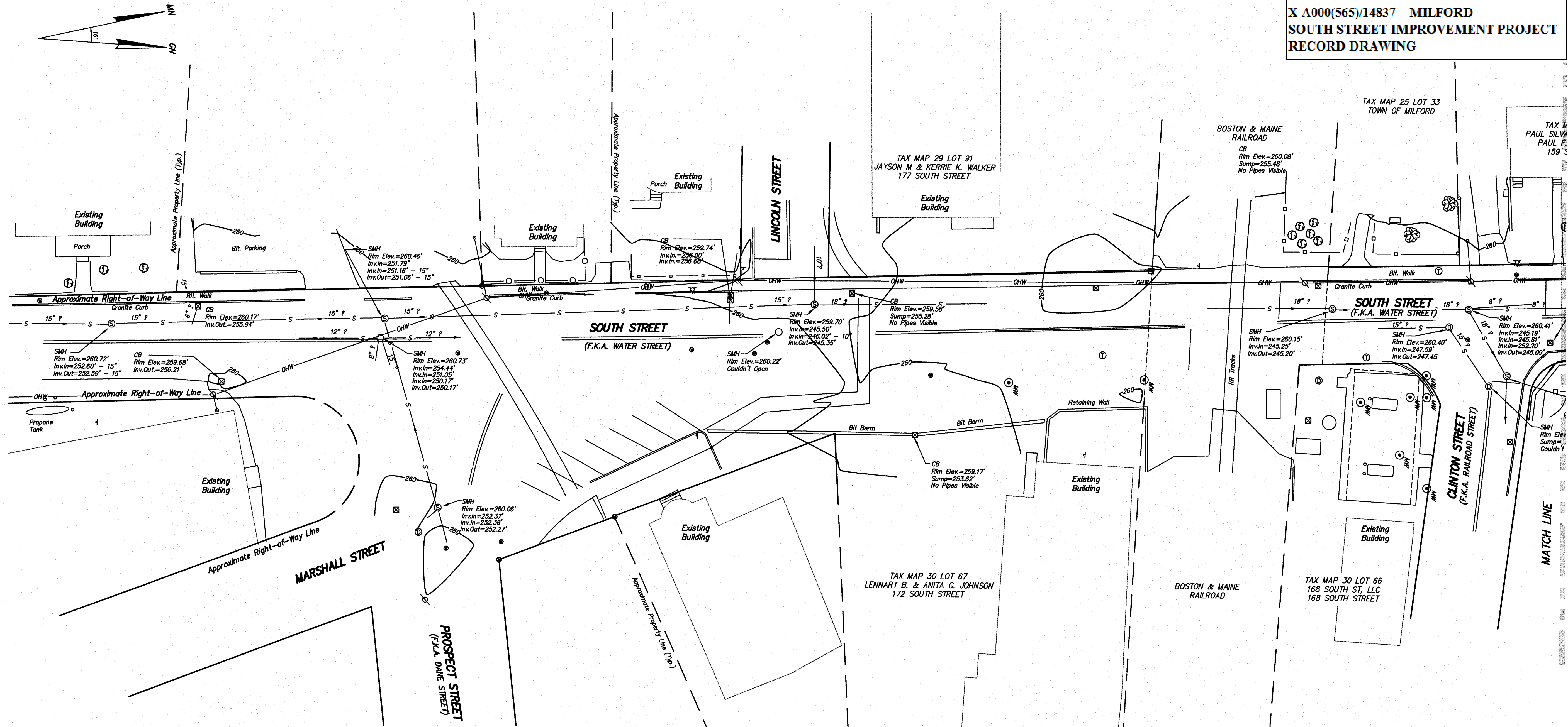
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TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

**SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
TYPICAL SECTIONS**

**X-A000(565)/14837 – MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING**

SCALE: <i>N.T.S.</i>	JOB NO. <i>07-017</i>
DATE: <i>JAN 2016</i>	DWG. <i>T3</i>

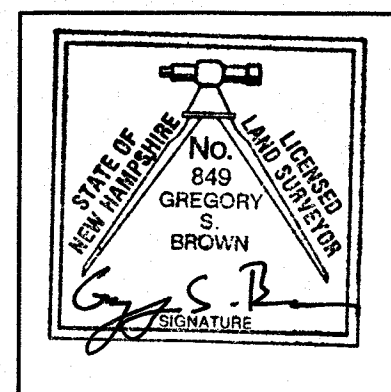


X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

NH CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL GROUND SURVEY PERFORMED WITH A TOTAL STATION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID SURVEY MEETS OR EXCEEDS THE MINIMUM PRECISION AND/OR ACCURACY REQUIREMENTS FOR SURVEY CLASSIFICATION "U" AS SET FORTH IN TABLE 500.1 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS, EFFECTIVE 1/1/08.

DATE: 1-14-16



GREGORY S. BROWN, L.L.S. #849
FOR AND ON BEHALF OF G.D.
CONSULTING ENGINEERS, INC.

NOTES:

- 1) THE INTENT OF THIS PLAN IS TO DEPICT THE EXISTING CONDITIONS AND THE APPROXIMATE LIMITS OF THE SOUTH STREET RIGHT-OF-WAY WITHIN THE SUBJECT AREA AS SHOWN HEREON (SEE NOTE 4).
- 2) HORIZONTAL DATUM IS BASED ON NAD 83/96. VERTICAL DATUM IS NAVD88.
- 3) FIELD SURVEY PERFORMED DURING OCTOBER 2007.
- 4) THE APPROXIMATE RIGHT-OF-WAY AS SHOWN HEREON IS PER A COMBINATION OF PHYSICAL AND RECORD EVIDENCE. RECORD SURVEYS (SEE REF. PLANS) SUGGEST A VARIABLE WIDTH RIGHT-OF-WAY.
- 5) APPROXIMATE PROPERTY LINES ARE SHOWN PER TAX MAPS. BOUNDARY SURVEYS FOR THE PARCELS THAT ABUT SOUTH STREET HAVE NOT BEEN PERFORMED.
- 6) ABUTTERS TO THE PROJECT WERE UPDATED DECEMBER, 2009.

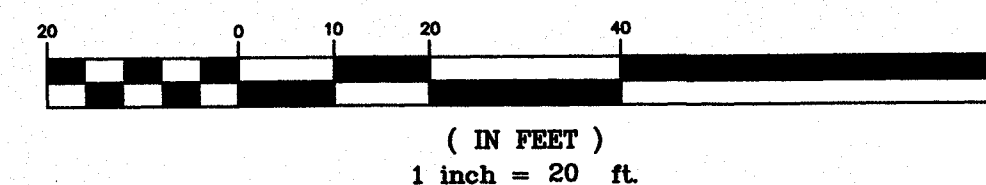
REFERENCE PLANS:

- 1) "PROPERTY OF HEIRS OF R.M. WALLACE AND PROPERTY OF KATE ORWAY - MILFORD, N.H.", DATED MAY 28, 1921, BY L.L. JUNKINS, H.C.R.D. PLAN NO. 363 B.
- 2) "LAND IN MILFORD, N.H. - BOSTON AND MAINE RAILROAD TO HELEN EVANGELINE GILSON", DATED AUGUST 1947. VAL. SEC. 36.5 - MAP 22 PT. PCL 21, H.C.R.D. PLAN NO. 744.
- 3) "LAND IN MILFORD, N.H. - BOSTON AND MAINE RAILROAD TO MERRIMACK FARMER'S EXCHANGE, INC.", DATED NOVEMBER 1960. VAL. SEC. 17 MAP 11A PT. PCL'S 23, 25, H.C.R.D. PLAN NO. 2328.
- 4) "PROPERTY OF HAROLD GRANT - MILFORD, N.H.", DATED FEBRUARY 1964, BY WILLIAM M. FALCONER, H.C.R.D. PLAN NO. 2651.
- 5) "LAND IN MILFORD, N.H. - BOSTON AND MAINE CORPORATION TO BARRETTO GRANITE CORPORATION", DATED MAY 1965, LAST REVISED MAY 17, 1965, VAL 17 MAP 11A PT. PCL. 6. ALL OF PCL'S 7-19 INCLUSIVE, H.C.R.D. PLAN NO. 3212.
- 6) "PROPERTY OF MILFORD COOPERATIVE BANK - MILFORD, N.H.", DATED MARCH 1974, BY E.F. BENT, SR., H.C.R.D. PLAN NO. 7473.
- 7) "BOUNDARY PLAN OF LAND - NORMAN & MAXINE ERIKSON - MILFORD, N.H.", DATED JANUARY 23, 1986, BY MONADNOCK SURVEY, INC., H.C.R.D. PLAN NO. 11217.
- 8) "BOUNDARY PLAN OF LAND - ESTATE OF FLORA V. DOUCET - MILFORD, N.H.", DATED APRIL 13, 1982, LAST REVISED JULY 9, 1982, BY THOMAS F. MORAN INC., H.C.R.D. PLAN NO. 14971.

REFERENCE PLANS:

- 9) "SUBDIVISION PLAN PREPARED FOR MILFORD COOPERATIVE BANK - MILFORD, N.H.", DATED AUGUST 17, 1984, LAST REVISED NOVEMBER 11, 1984, BY THOMAS F. MORAN INC., H.C.R.D. PLAN NO. 17165.
- 10) "PLAN OF LAND - SOUHEGAN NATIONAL BANK - MILFORD, N.H.", DATED APRIL 11, 1985, BY THOMAS F. MORAN INC., H.C.R.D. PLAN NO. 17783.
- 11) "BOUNDARY PLAN LAND IN MILFORD, N.H. - THE BOSTON AND MAINE CORPORATION TO LEIGHTON A. WHITE", DATED FEBRUARY 17, 1987, LAST REVISED JUNE 26, 1987, BY THOMAS F. MORAN INC., H.C.R.D. PLAN NO. 21339.
- 12) "SUBDIVISION & CONSOLIDATION PLAN PREPARED FOR LEIGHTON A. WHITE - MILFORD, N.H.", DATED DECEMBER 16, 1987, LAST REVISED 1988, BY THOMAS F. MORAN INC., H.C.R.D. PLAN NO. 22029.
- 13) "LAND IN MILFORD, NH - BOSTON AND MAINE CORPORATION TO CONDOR CAPITAL CORP., TRUSTEE OF MIL REALTY TRUST", DATED DECEMBER 8, 1992, LAST REVISED DECEMBER 23, 1992, BY AMHERST SURVEY ASSOCIATES, INC., H.C.R.D. PLAN NO. 26293.
- 14) "PLAN OF SOUTH STREET WIDENING LOTS 25-39 & 25-40 LAND OF MILFORD COOPERATIVE BANK - MILFORD, NEW HAMPSHIRE", DATED JANUARY 19, 1996, LAST REVISED FEBRUARY 13, 1996, BY MERIDIAN LAND SERVICES, INC., H.C.R.D. PLAN NO. 27948.
- 15) "BOUNDARY PLAN OF LAND PREPARED FOR FLETCHER GRANITE CO., INC.", DATED FEBRUARY 4, 1994, LAST REVISED MARCH 31, 1998, MERIDIAN LAND SERVICES, INC., H.C.R.D. PLAN NO. 29106.
- 16) "RIGHT-OF-WAY AND TRACK MAP - WILTON R.R. CO. - OPERATED BY THE BOSTON AND MAINE R.R., V.17 MAPS 11, 11A & 12 ON FILE AT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
- 17) TOWN OF MILFORD TAX MAPS 25, 26, 29, & 30.

GRAPHIC SCALE



LEGEND

□ Granite Bound Found	P Pumps	⊘ Utility Pole
○ Iron Pin Found	□ Electric Box	E.G.A. Edge of Gravel Area
① Telephone Manhole	▽ Sign	NHHB NH Highway Bound
⊙ Sewer Manhole	— Guy Wire	CBED Concrete Bound
⊠ Catch Basin	⊕ Boring	• Bollard
⊙ Monitoring Well	⊗ Deciduous Tree	— Stockade Fence
• Gas Valve	★ Light Pole	— Chain Link Fence
⊕ Hydrant	□ Mailbox	— Sewer Line
		— Drain Line
		— Water Line

ISSUED FOR CONSTRUCTION	REVISION	DESIGNED	CHECKED	APPROVED
1	1/14/16	HAQ/MMS	KMG/SWR	CSB
NO.	DATE	DRAWN	DESIGNED	APPROVED

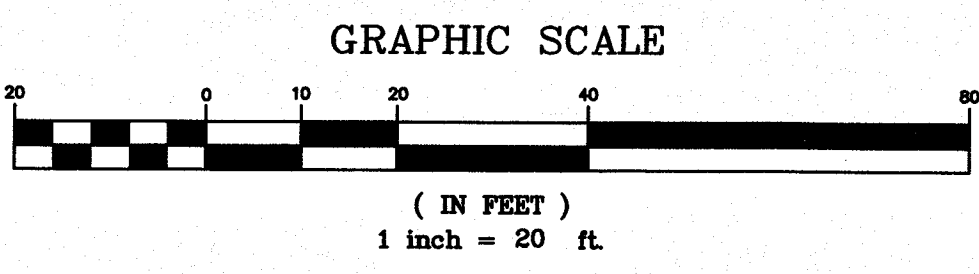
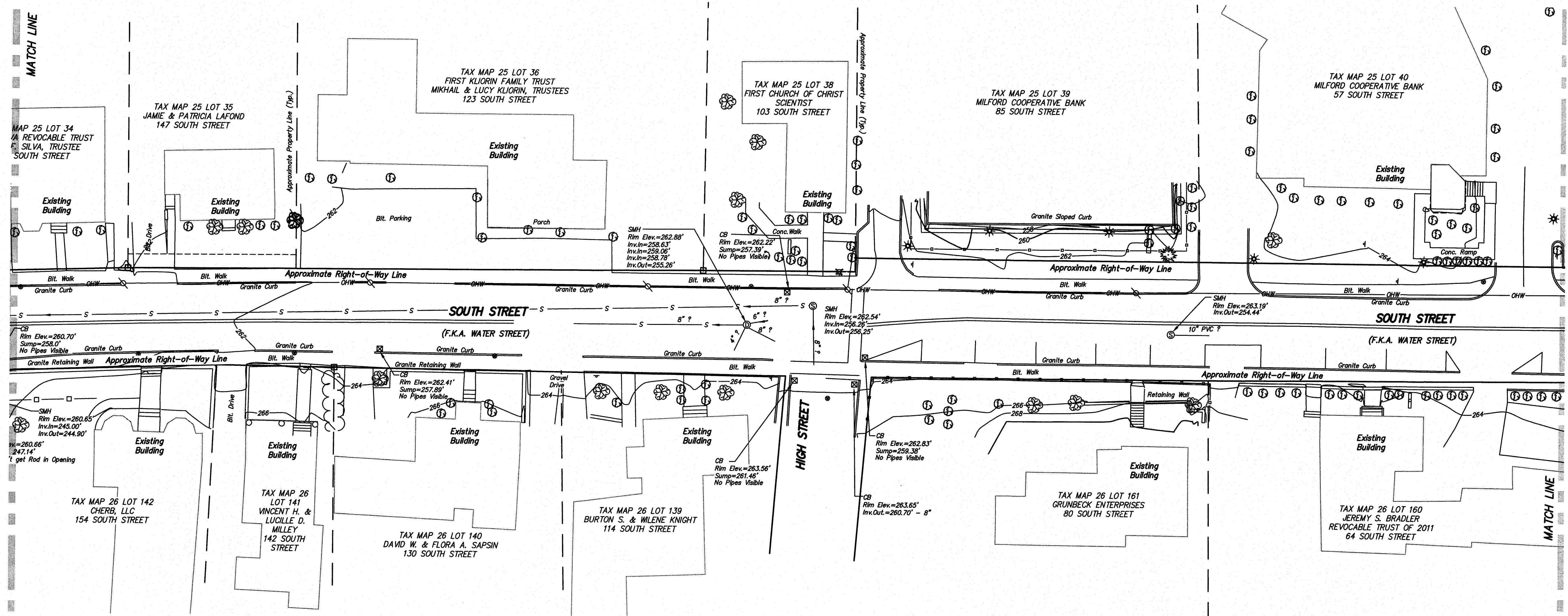


TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

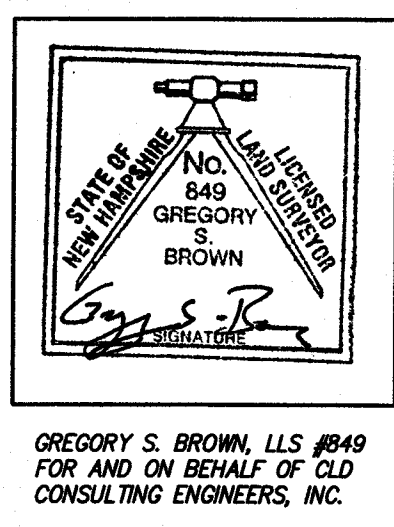
SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
EXISTING CONDITIONS
PLAN

SCALE: 1" = 20'	JOB NO. 07-0171
DATE: JAN 2016	DWG. E

X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING



NH CERTIFICATION:
I HEREBY CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL
GROUND SURVEY PERFORMED WITH A TOTAL STATION AND
THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID
SURVEY MEETS OR EXCEEDS THE MINIMUM PRECISION AND/OR
ACCURACY REQUIREMENTS FOR SURVEY CLASSIFICATION "U"
AS SET FORTH IN TABLE 500.1 OF THE NEW HAMPSHIRE
CODE OF ADMINISTRATIVE RULES OF THE BOARD OF
LICENSURE FOR LAND SURVEYORS, EFFECTIVE 1/1/09.
DATE: 1-14-16



LEGEND

- | | | |
|-----------------------|------------------|----------------------------|
| □ Granite Bound Found | P Pumps | ∅ Utility Pole |
| ○ Iron Pin Found | □ Electric Box | E.G.A. Edge of Gravel Area |
| ① Telephone Manhole | ▽ Sign | NHHB NH Highway Bound |
| ⊙ Sewer Manhole | —○ Guy Wire | CBED Concrete Bound |
| ⊠ Catch Basin | ⊕ Boring | • Ballard |
| ⊙ Monitoring Well | ⊗ Deciduous Tree | —□ Stockade Fence |
| • Gas Valve | ★ Light Pole | —○ Chain Link Fence |
| ⊕ Hydrant | □ Mailbox | —S Sewer Line |
| | | —D Drain Line |
| | | —W Water Line |

NO.	DATE	REVISION	DESIGNED:	CHECKED:	APPROVED:
1	1/14/16		HAG/MWS	MAG/SWR	GSB

CLD CONSULTING ENGINEERS, INC.
540 Commercial Street • Manchester, NH 03101
(603) 668-8223 • Fax: (603) 668-8802
clde@cldeengineers.com • www.cldeengineers.com
Maine • New Hampshire • Vermont

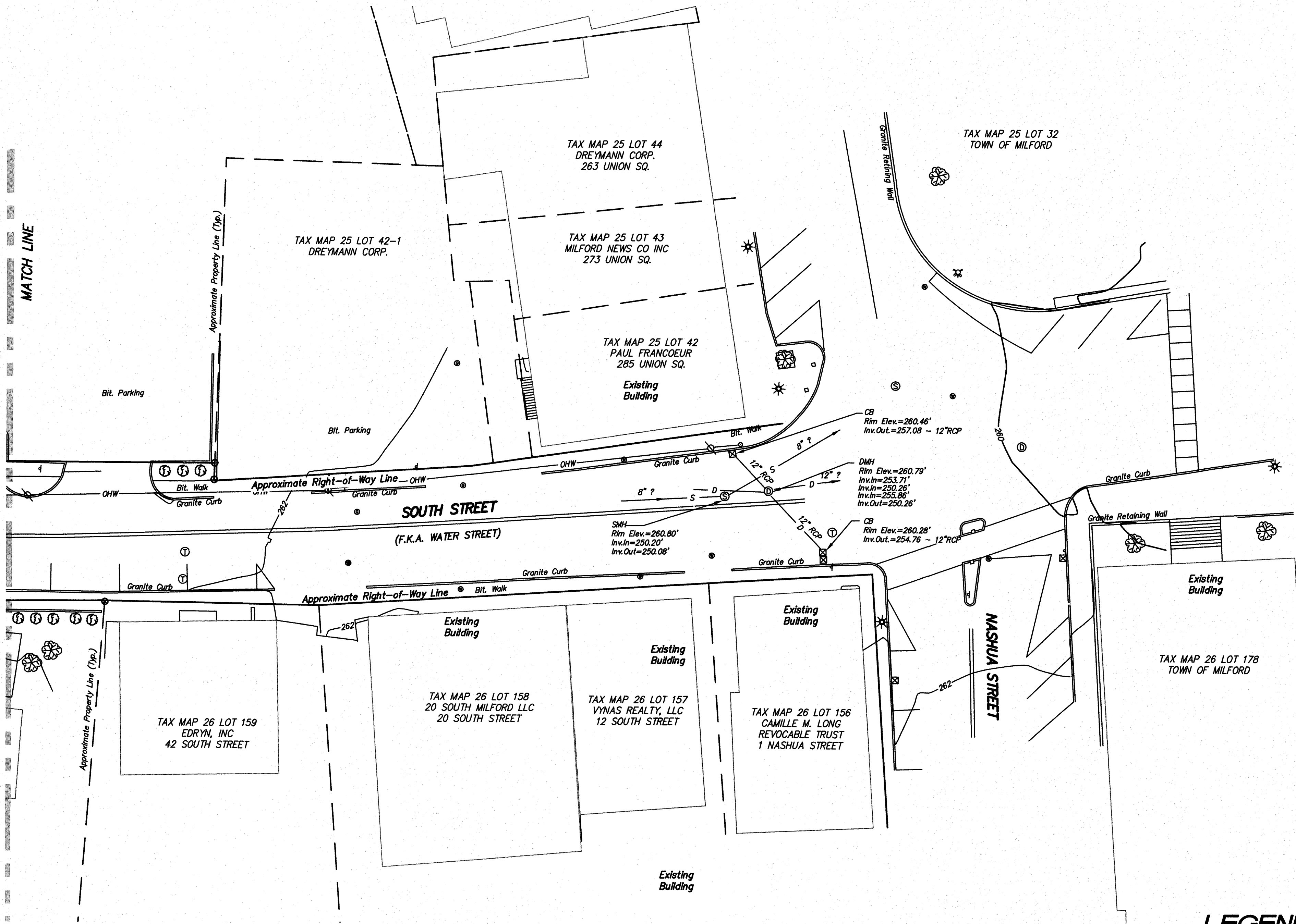
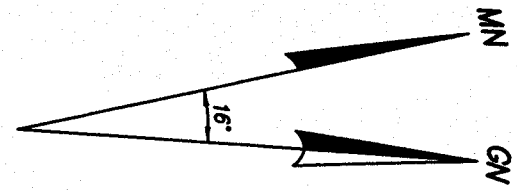
TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
EXISTING CONDITIONS
PLAN

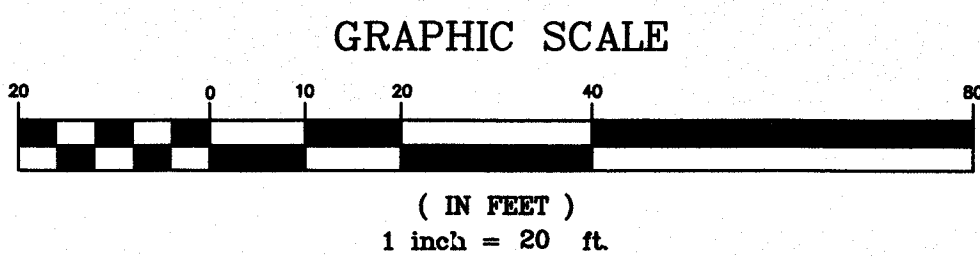
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DATE: JAN 2016	DWG. E2

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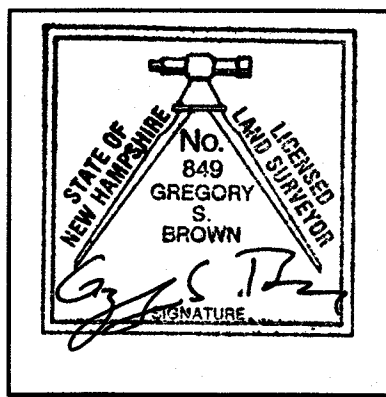
X-A000(565)/14837 – MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING



NH CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN IS BASED ON AN ACTUAL GROUND SURVEY PERFORMED WITH A TOTAL STATION AND THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, SAID SURVEY MEETS OR EXCEEDS THE MINIMUM PRECISION AND/OR ACCURACY REQUIREMENTS FOR SURVEY CLASSIFICATION "1" AS SET FORTH IN TABLE 500.1 OF THE NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS, EFFECTIVE 1/1/09.

DATE: 1-14-16



GREGORY S. BROWN, L.L.S. #849
FOR AND ON BEHALF OF CLD
CONSULTING ENGINEERS, INC.

□ Granite Bound Found	P Pumps	∅ Utility Pole
○ Iron Pin Found	□ Electric Box	E.G.A. Edge of Gravel Area
Ⓣ Telephone Manhole	▽ Sign	NHHB NH Highway Bound
Ⓢ Sewer Manhole	—○ Guy Wire	CBED Concrete Bound
⊠ Catch Basin	⊕ Boring	• Bollard
Ⓜ Monitoring Well	⊗ Deciduous Tree	—□ Stockade Fence
• Gas Valve	★ Light Pole	—○ Chain Link Fence
⚡ Hydrant	□ Mailbox	—S Sewer Line
		—D Drain Line
		—W Water Line

TOWN OF MILFORD

1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
EXISTING CONDITIONS
PLAN

SCALE:
1" = 20'

DATE:
JAN 2016

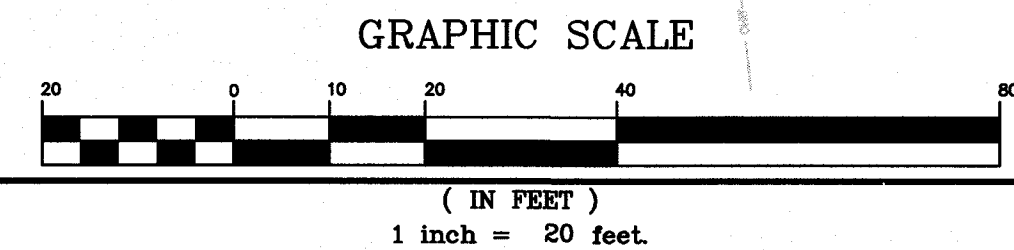
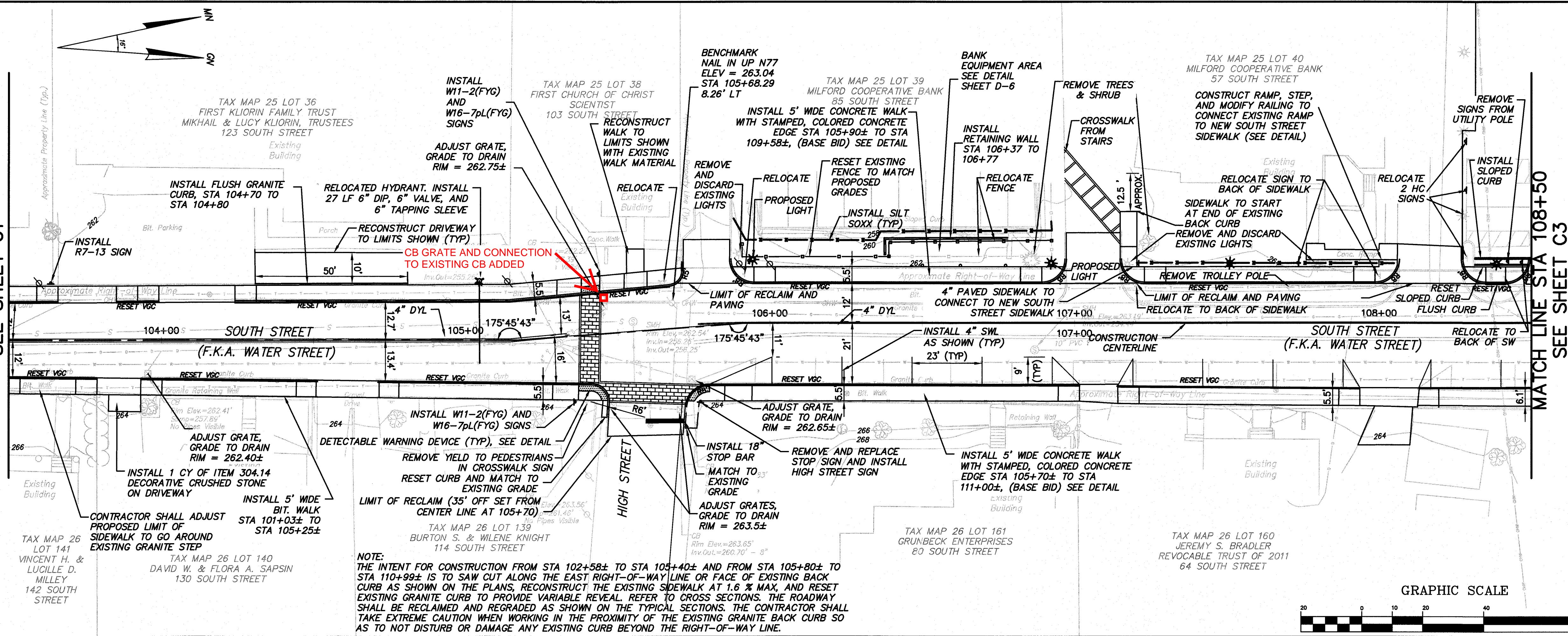
JOB NO.
07-0171

DWG.
E3

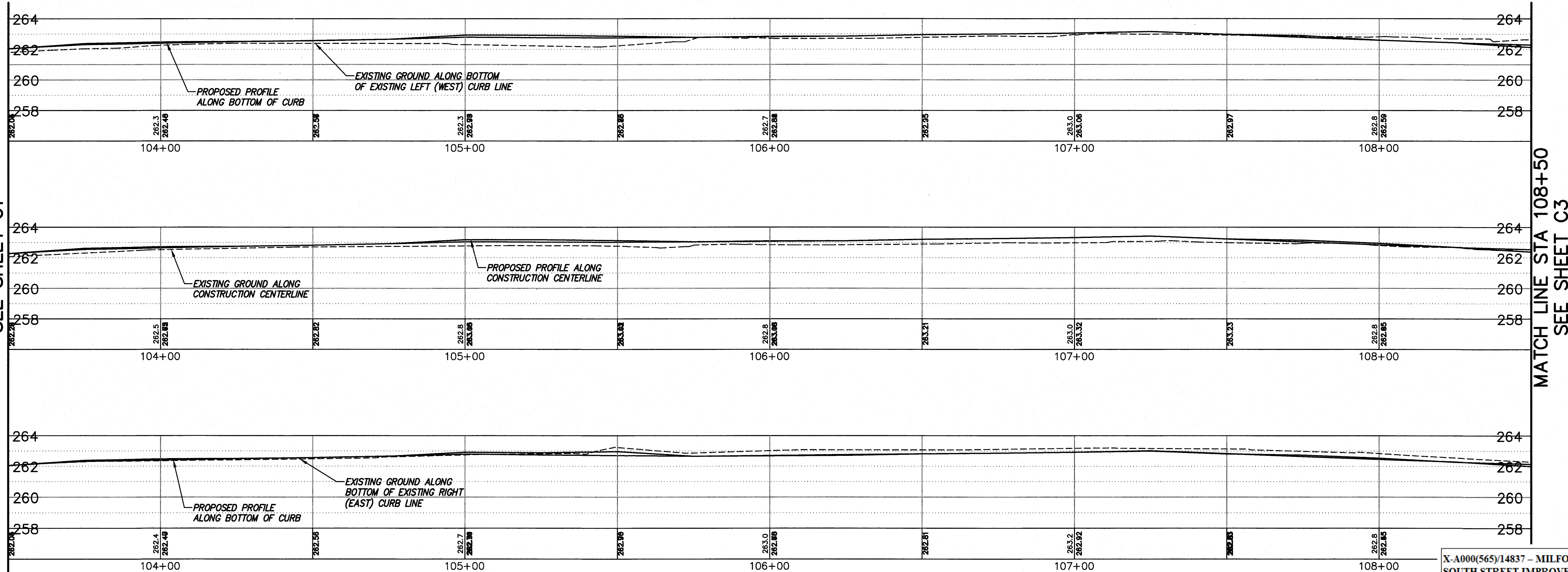


ISSUED FOR CONSTRUCTION
1 1/14/16
NO. DATE REVISION
DRAWN: HAO/MWS
CHECKED: KMG/SWR
APPROVED: GSB

MATCH LINE STA 103+50
SEE SHEET C1

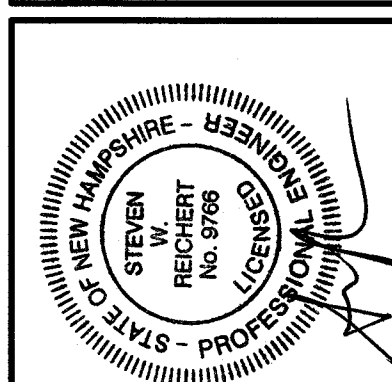
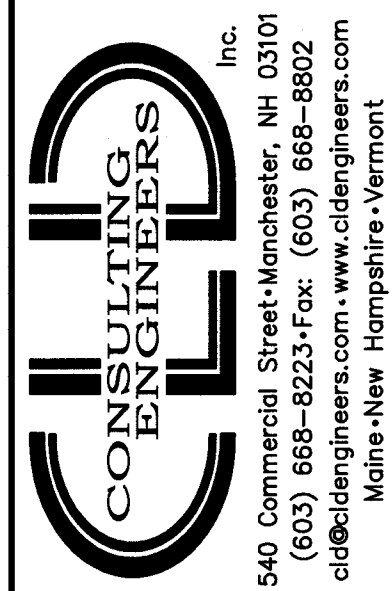


MATCH LINE STA 103+50
SEE SHEET C1



X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

NO.	DATE	REVISION	ISSUED FOR CONSTRUCTION
1	1/14/16	DESIGNED: ELC/MFL DRAWN: ELC/MFL	CHECKED: DAL/KMG APPROVED: SWR



CLIENT:
TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

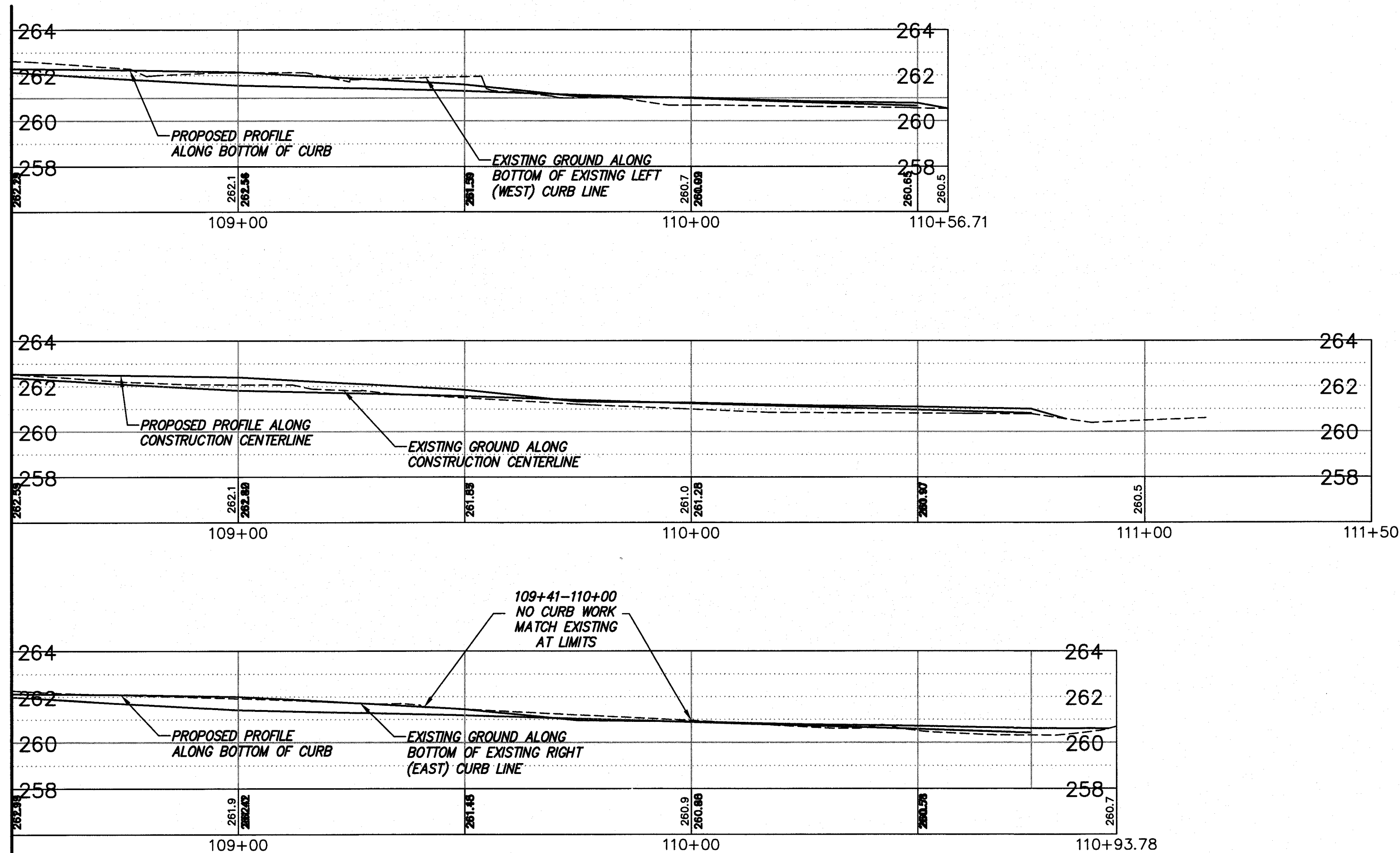
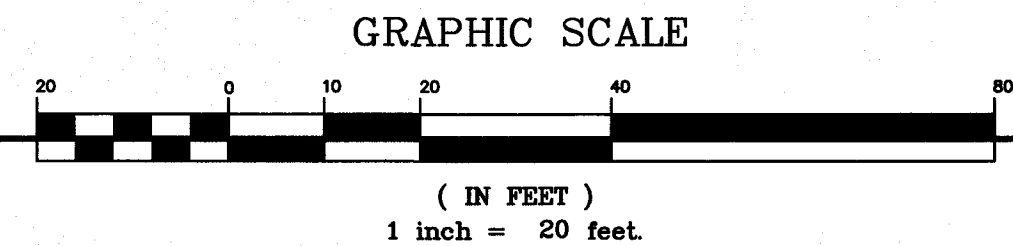
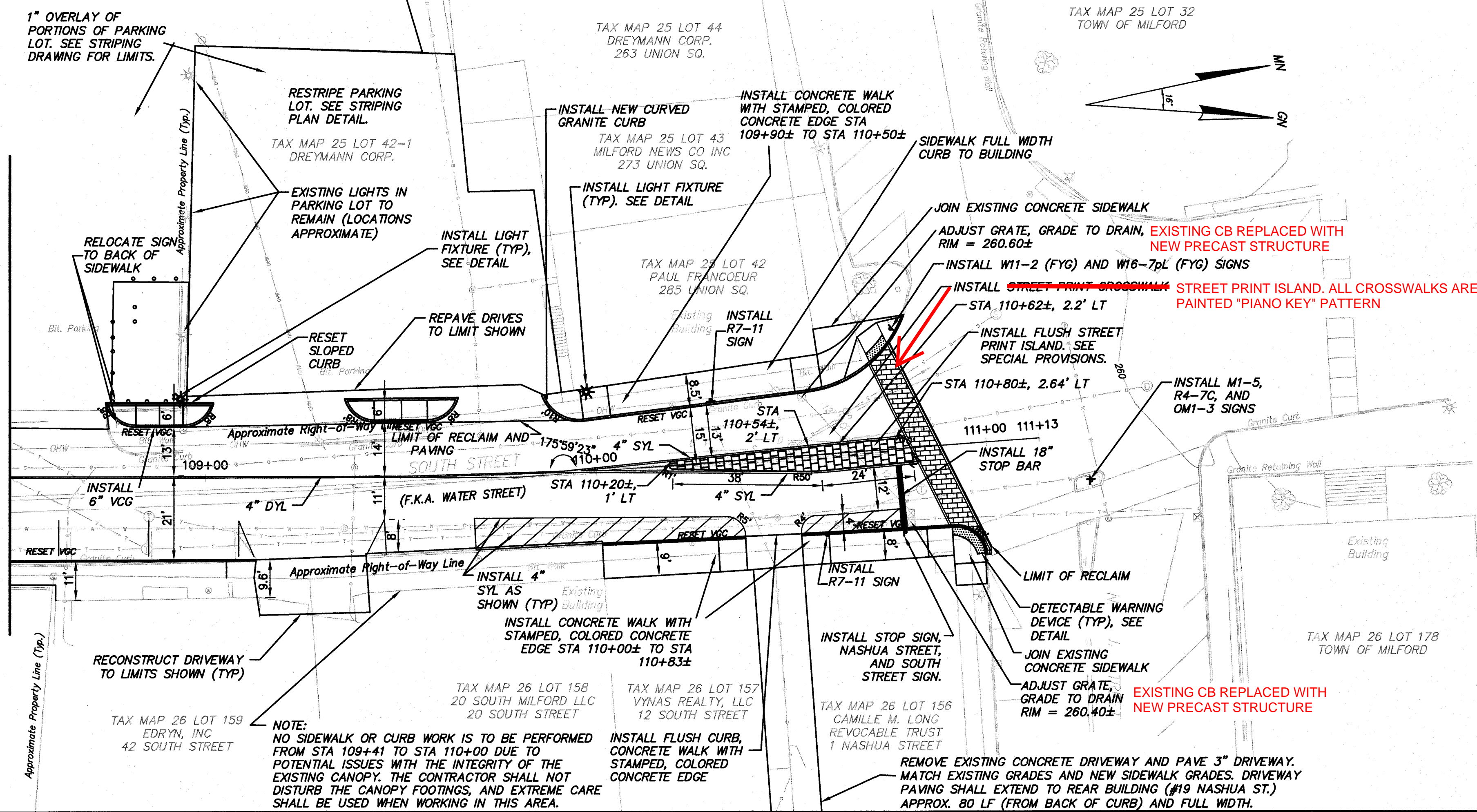
**SOUTH STREET
IMPROVEMENT PROJECT**
SOUTH STREET
MILFORD, NEW HAMPSHIRE
**PROPOSED SIDEWALK
PLAN AND PROFILE**

SCALE: H: 1"=20' V: 1"=4'	JOB NO. 07-0171
DATE: JAN 2016	DWG. C2

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MATCH LINE STA 108+50
SEE SHEET C1

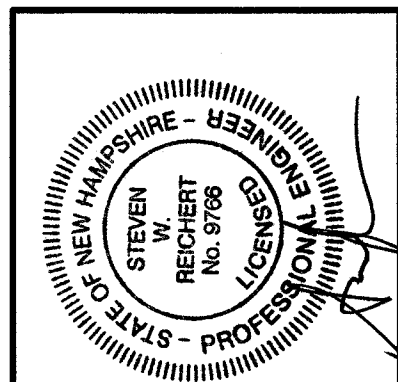
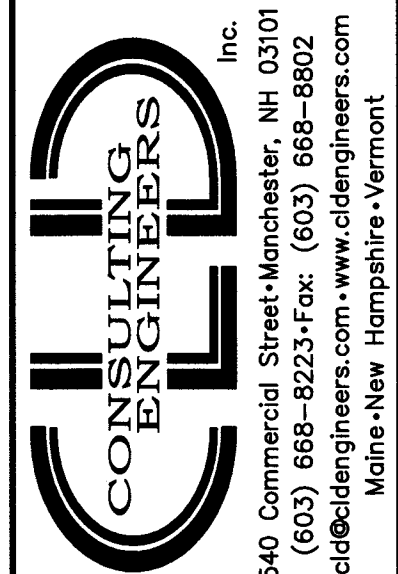
MATCH LINE STA 108+50
SEE SHEET C1



X-A000(565)14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

NO.	DATE	REVISION	DESIGNED	CHECKED	ISSUED FOR CONSTRUCTION
1	1/14/16		ELC/MFL	DAL/KMG	
			ELC/MFL		

APPROVED: SWR



CLIENT:

TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT

SOUTH STREET
MILFORD, NEW HAMPSHIRE

PROPOSED SIDEWALK
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=4'	JOB NO. 07-0171
DATE: JAN 2016	DWG. 3

F:\PROJECTS\MILFORD\070171 MILFORD TOWN\DRAWINGS, PLOTS AND PLANS BY OTHERS\REVISED PLANS BY DAO 1-12-16\070171 GEN PLANS\2013REV011216.DWG 1/12/2016 9:12 AM

X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

TAX MAP 25 LOT 45
PASTA LOFT RESTAURANT II LLC
241 UNION SQ.

LIMIT OF 1" OVERLAY
(MAP 25, LOT 40)

PROPOSED STRIPING PLAN FOR
PARCEL 25/42-1. FINAL STRIPING
CONFIGURATION TO BE COORDINATED
WITH PROPERTY OWNER.

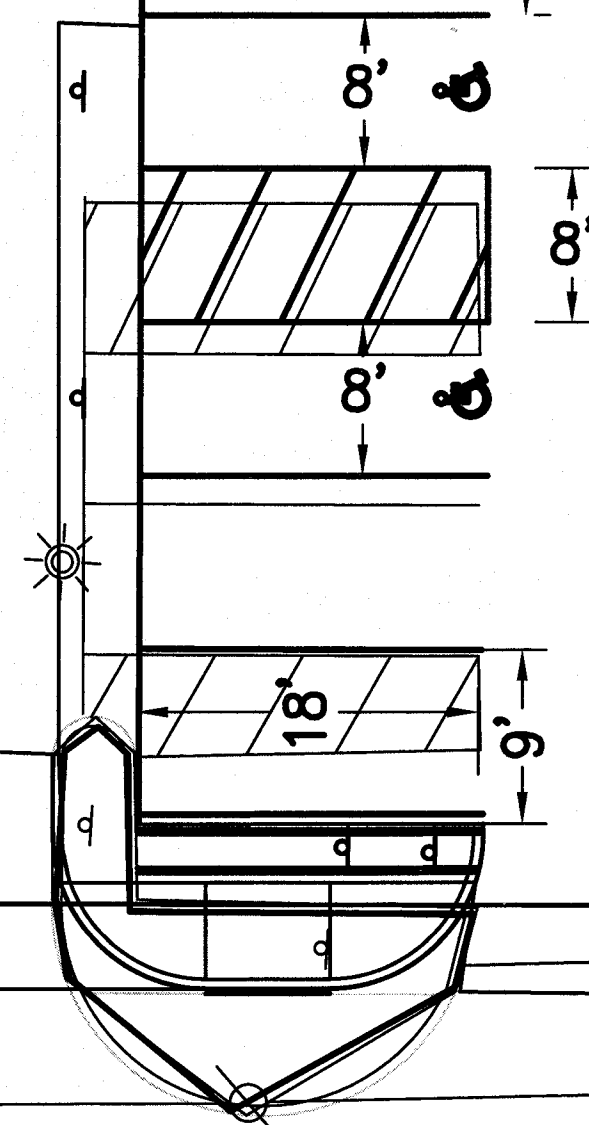
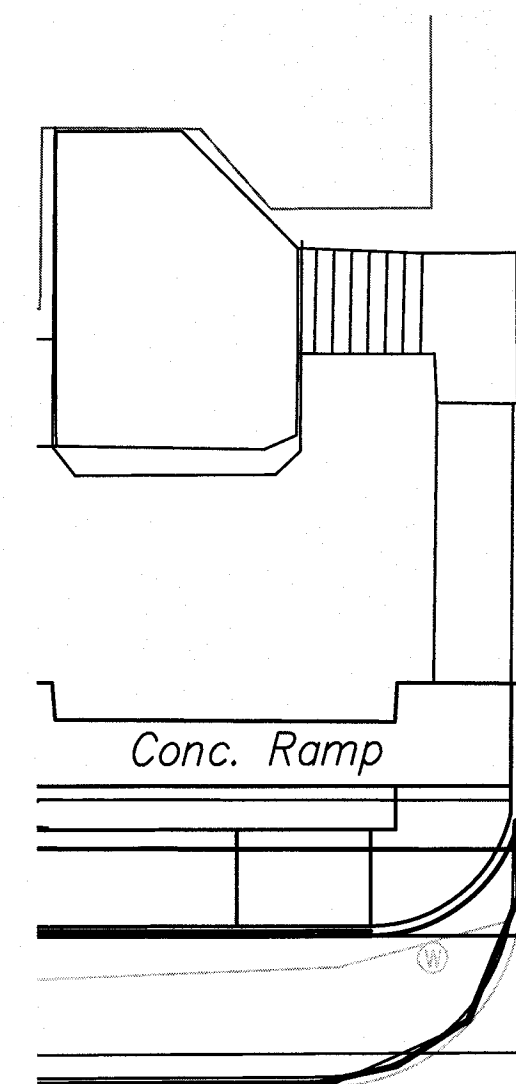
TAX MAP 25 LOT 44
DREYMANN CORP.
263 UNION SQ.

LIMIT OF 1" OVERLAY
(MAP 25, LOT 42/1)

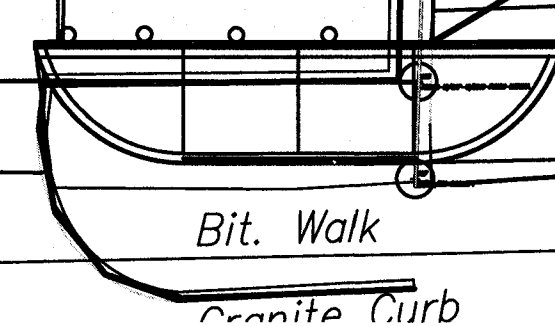
TAX MAP 25 LOT 43
MILFORD NEWS CO INC
273 UNION SQ.

TAX MAP 25 LOT 42
PAUL FRANCOEUR
285 UNION SQ.

Existing Building
APPROX. LIMIT
OF DRIVEWAY
PAVEMENT



Bit. Parking



Approximate Right-of-Way Line

OHW

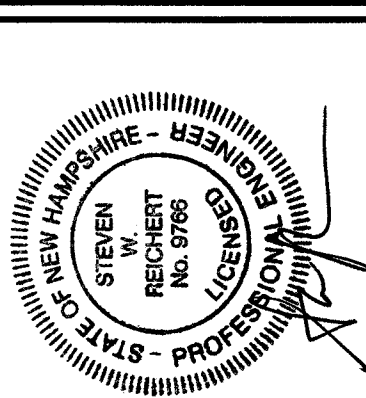
Granite Curb

Bit. Parking



8" ?

S



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
STRIPING PLAN

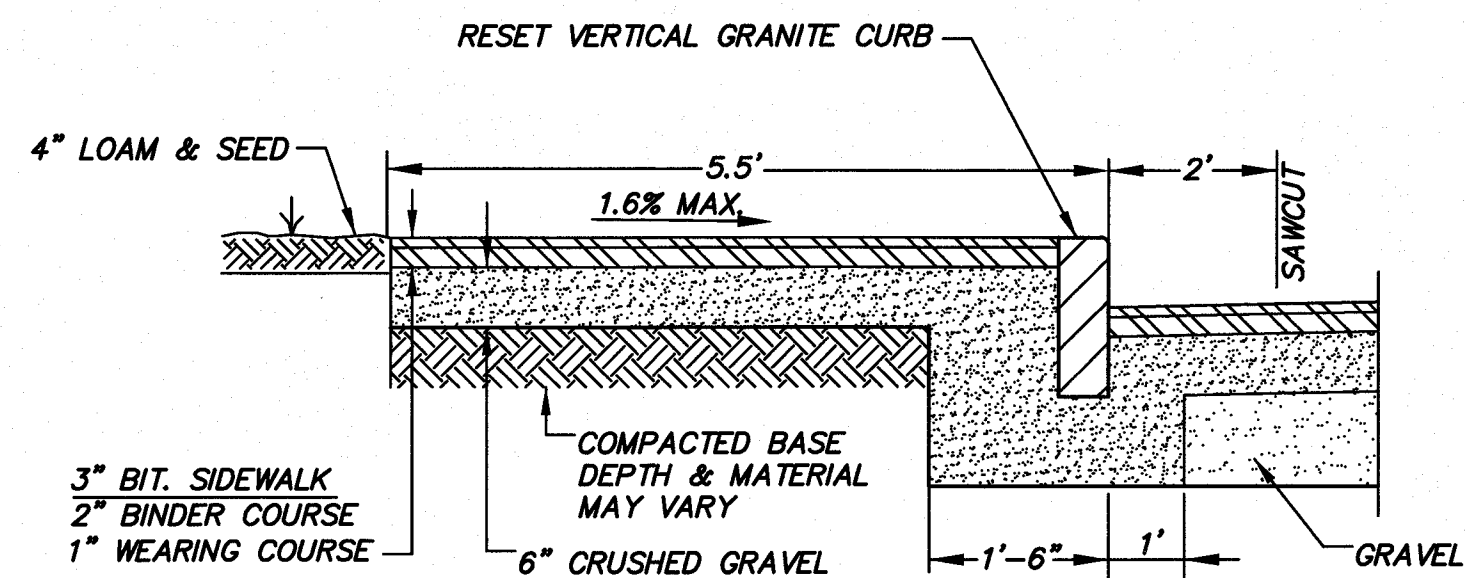
SCALE:
H: 1"=10'

JOB NO.
07-0171

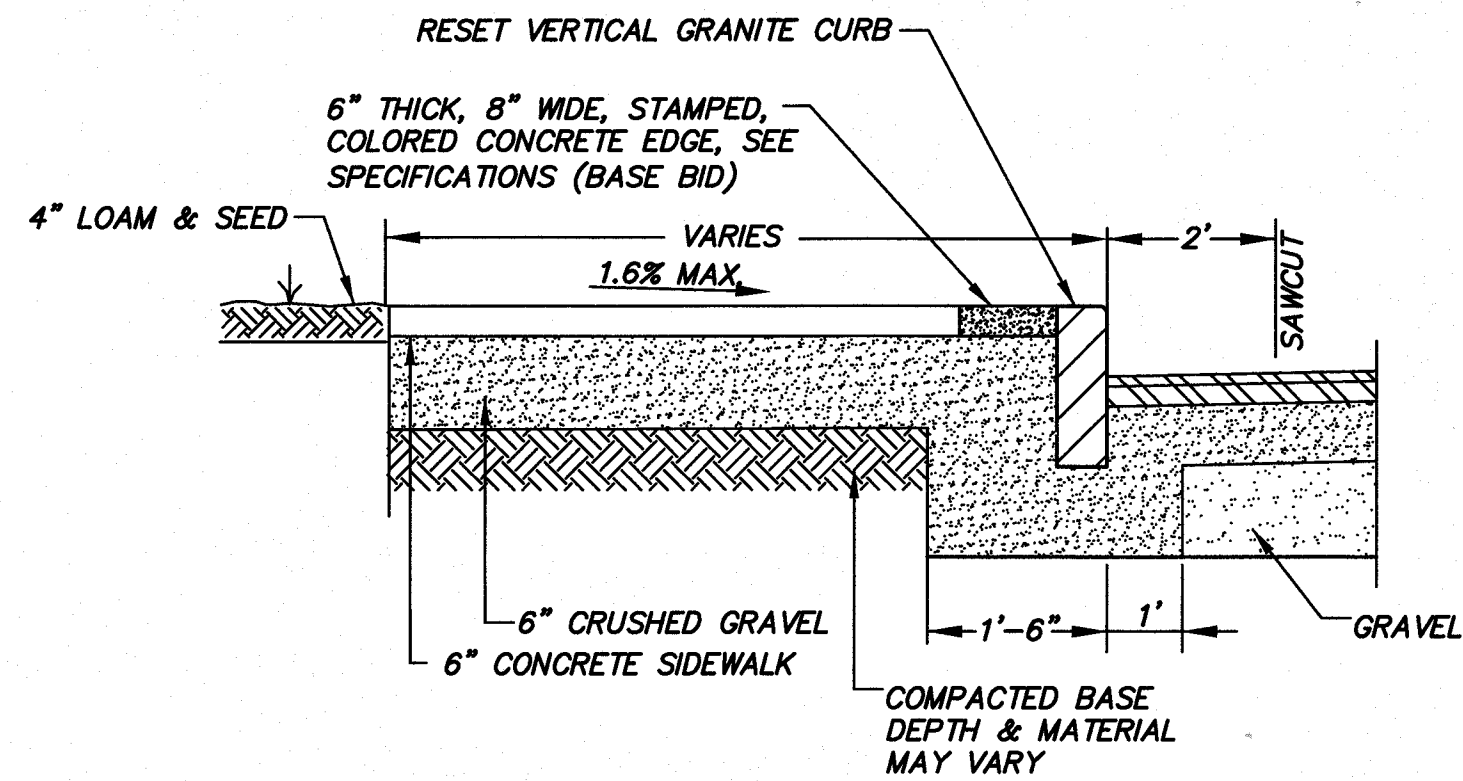
DATE:
JAN 2016

DWG.
S1

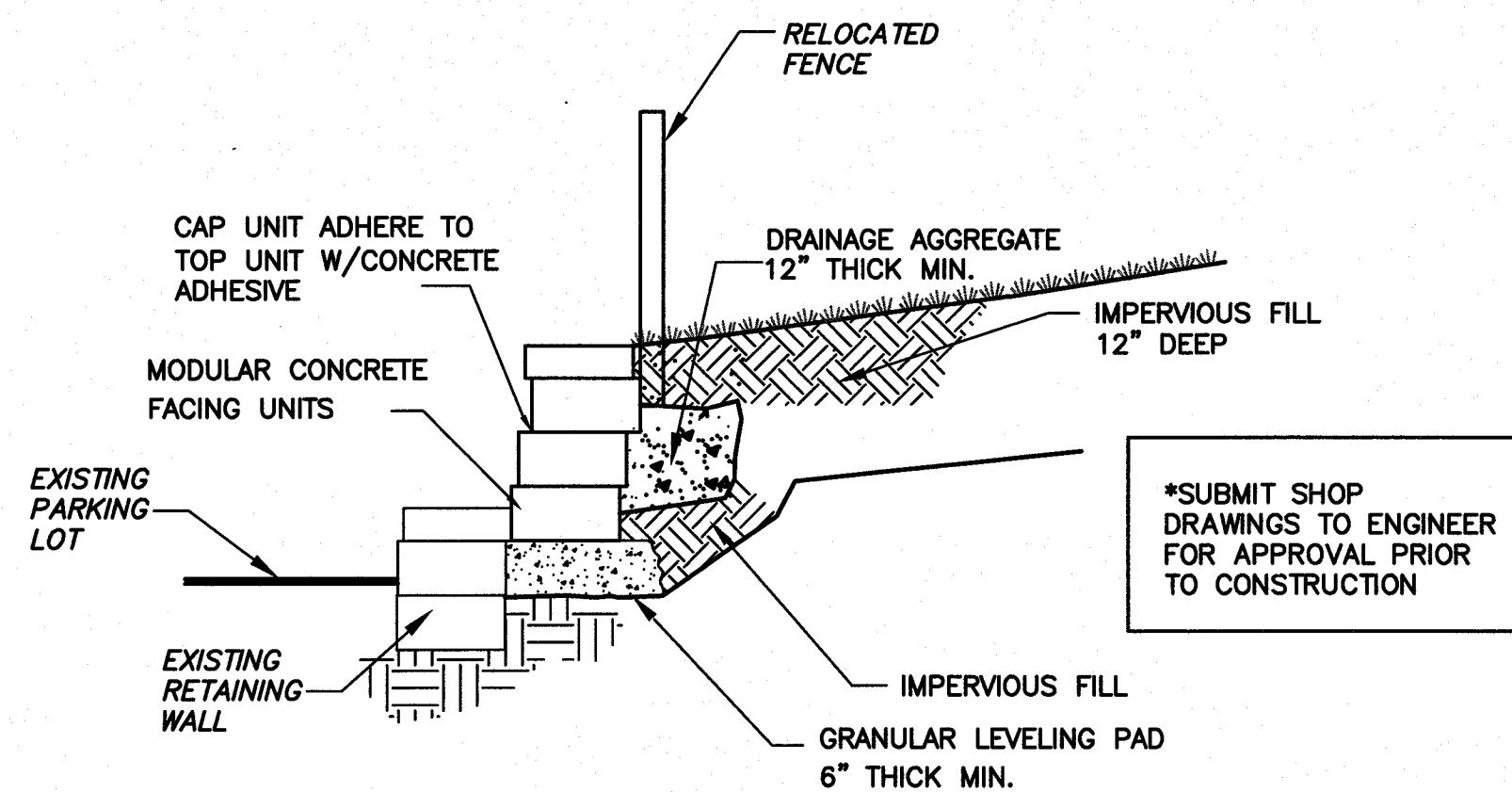
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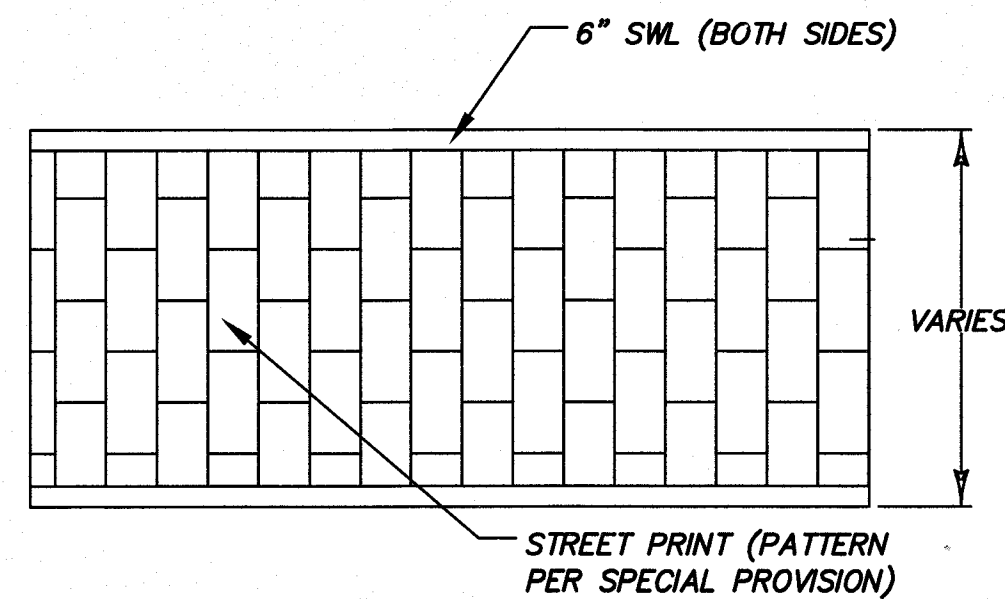
1 Typical Bit. Sidewalk Detail
D1 N.T.S.



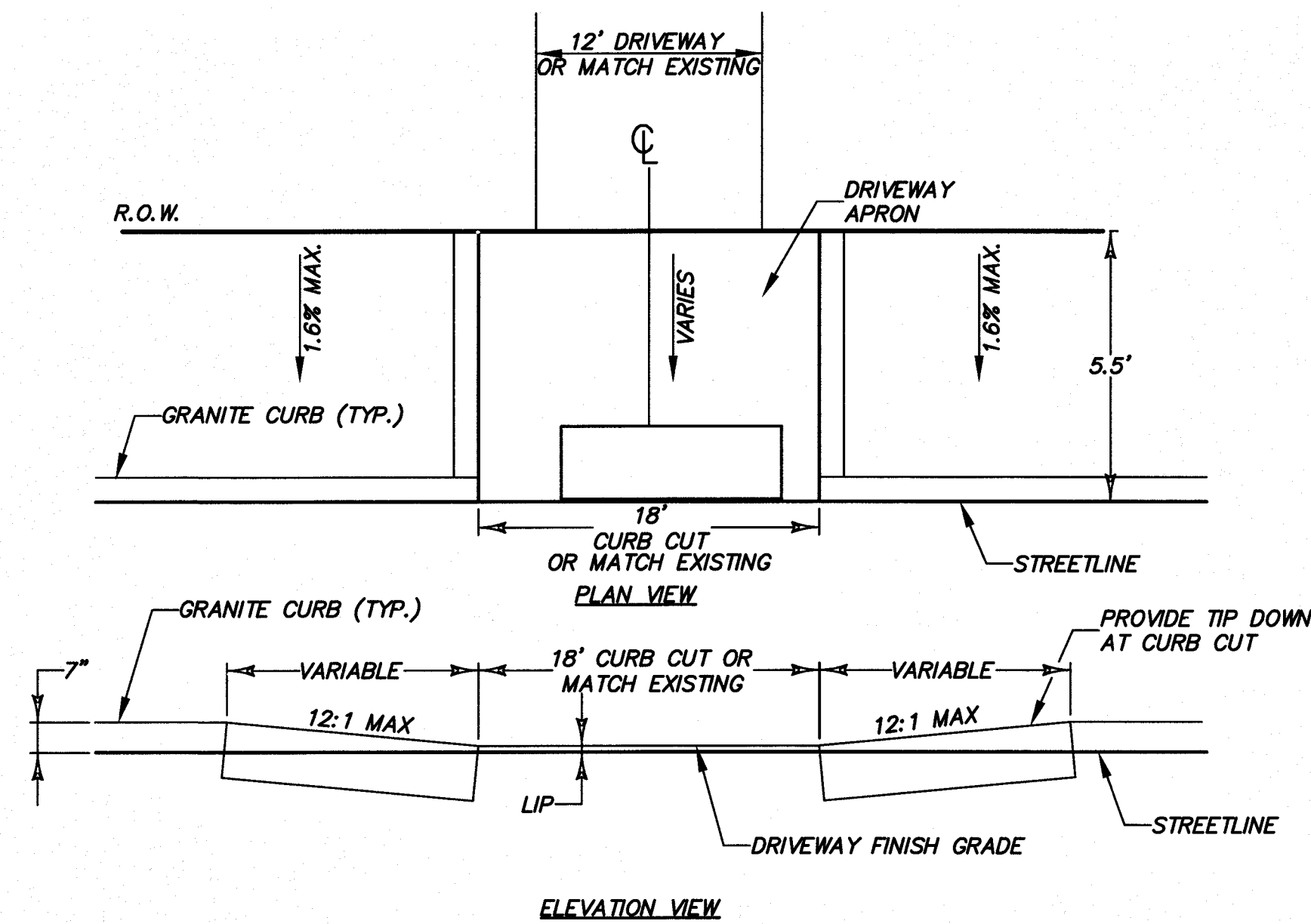
2 Typical Concrete Sidewalk Detail
D1 N.T.S.



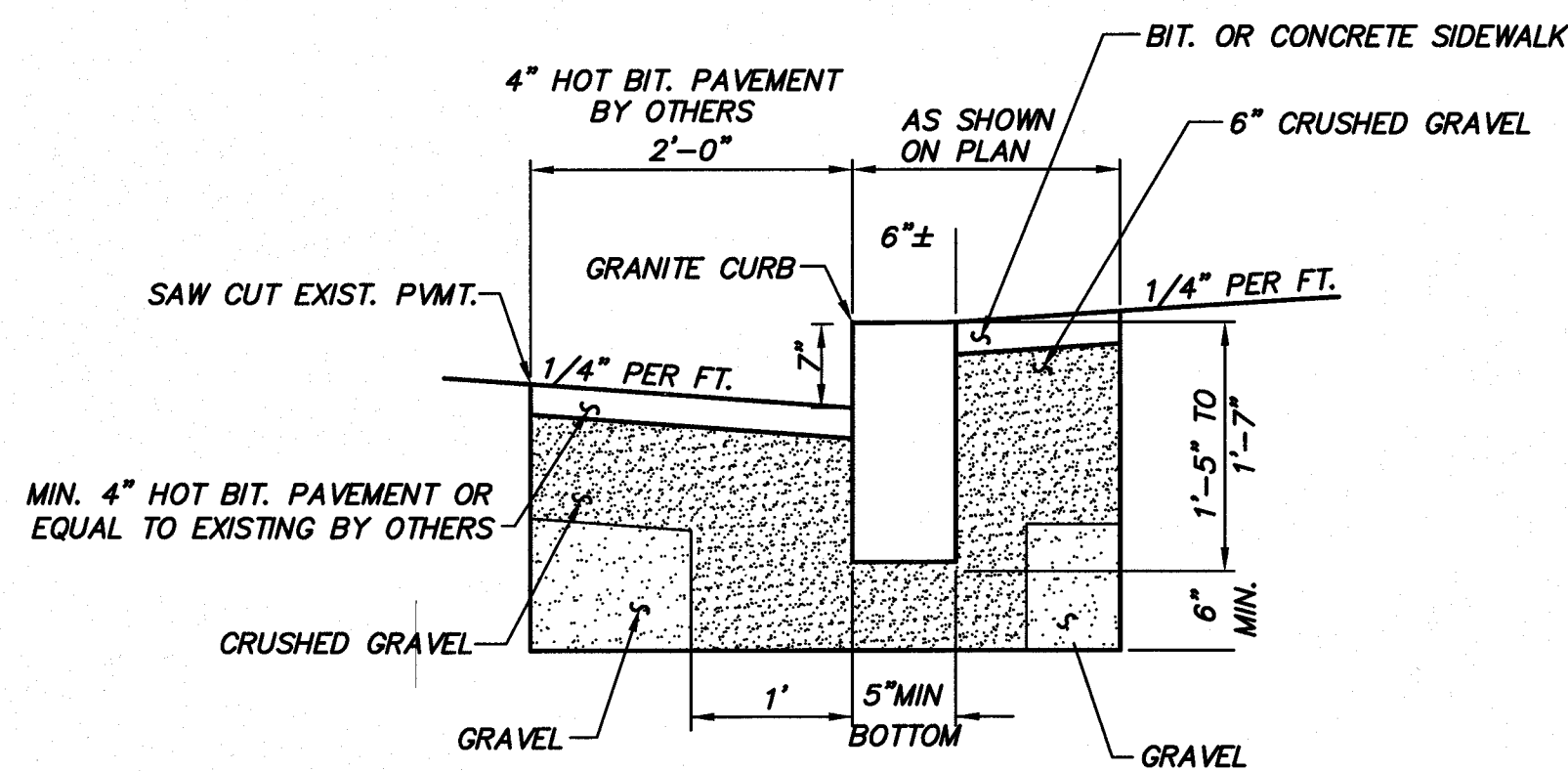
3 Typical Section - Reinforced Retaining Wall
D1 N.T.S.



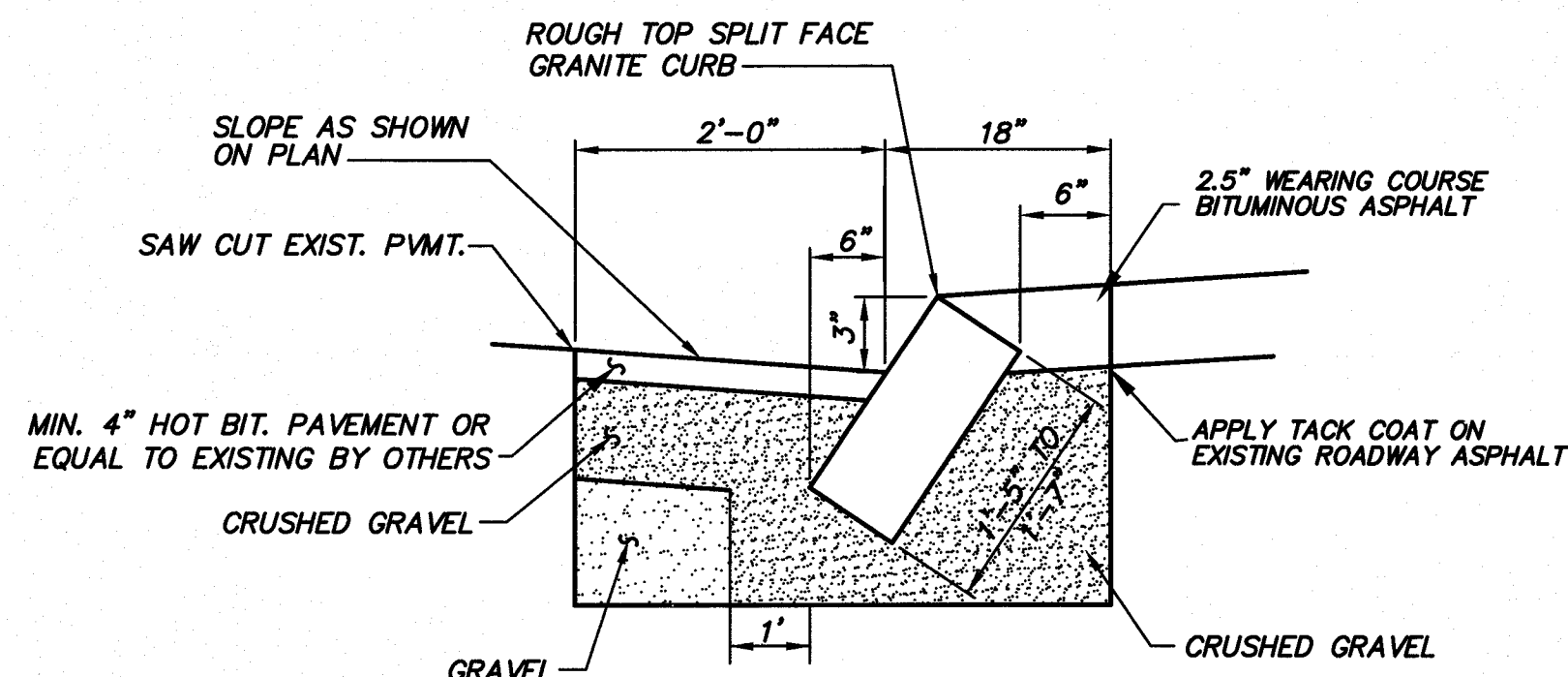
4 Street Print Crosswalk Detail
D1 N.T.S.



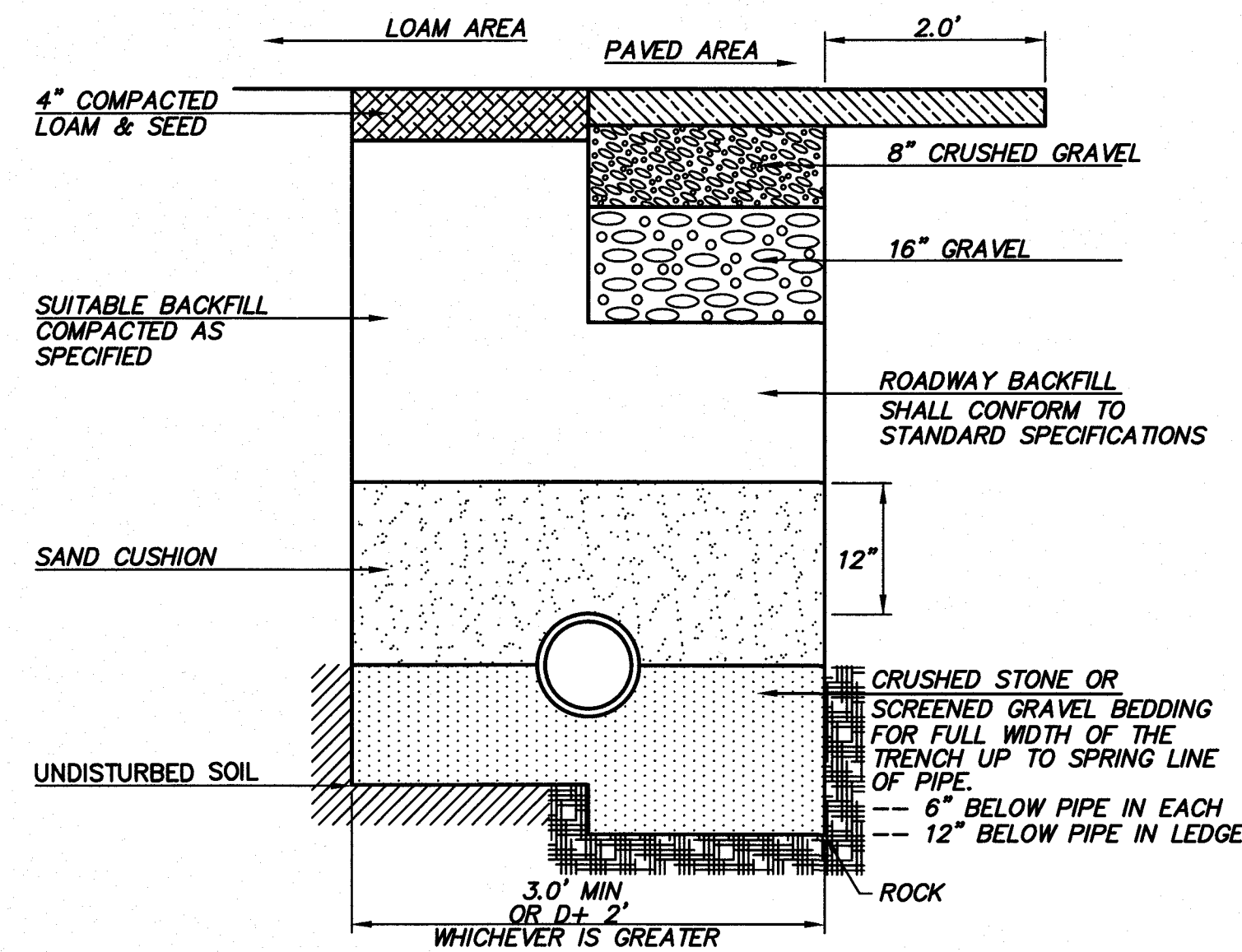
5 Residential Driveway Detail
D1 (DETECTABLE WARNING PLATES NOT REQUIRED EXCEPT WHERE INDICATED) N.T.S.



6 Straight Granite Curb Removed & Reset or Installed
D1 N.T.S.

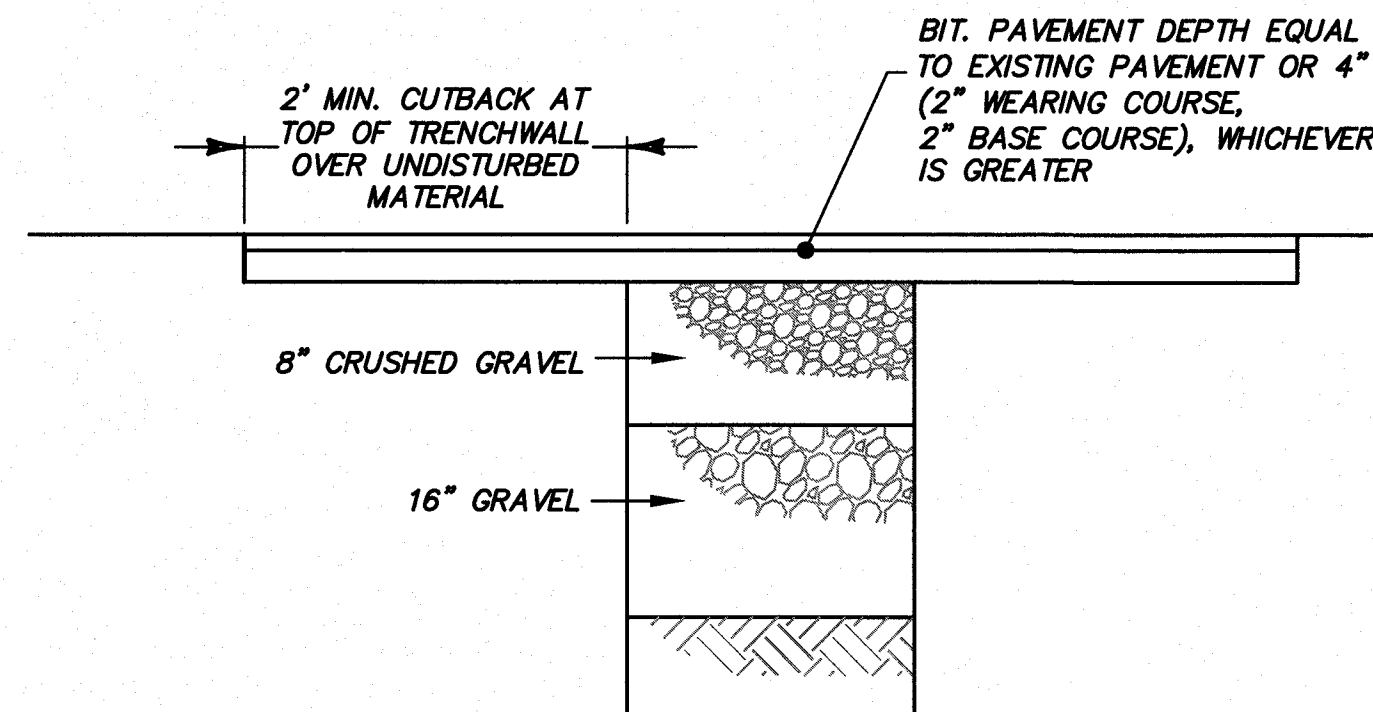


7 Sloped Granite Curb Removed & Reset or Installed
D1 N.T.S.

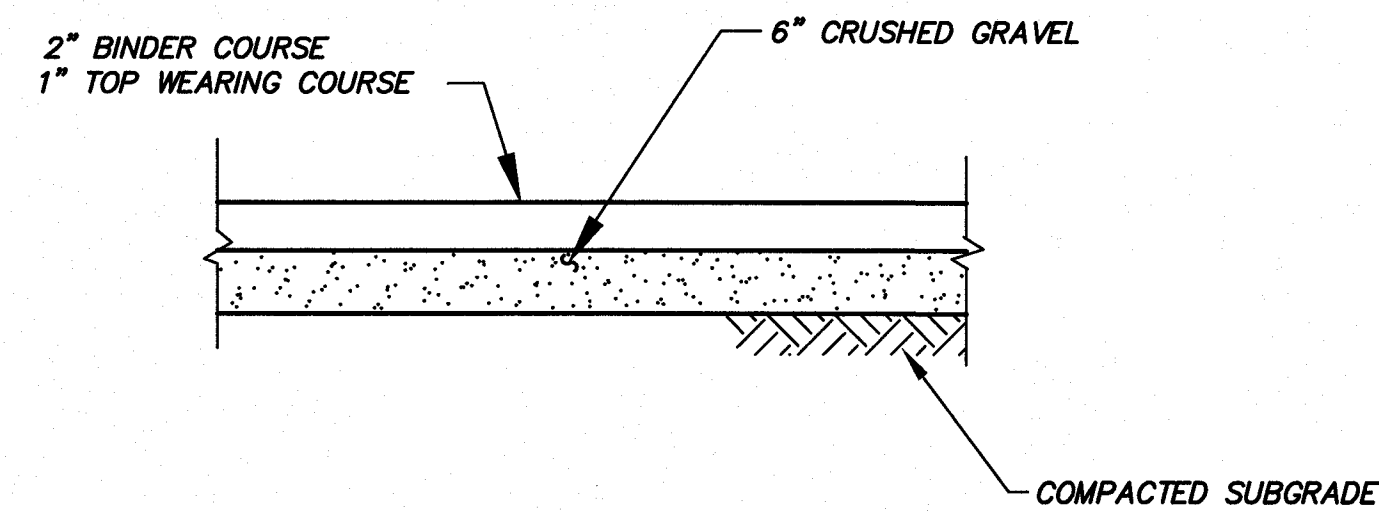


NOTES:
1. PAVEMENT REPAIR IN EXISTING ROADWAYS SHALL CONFORM TO STREET OPENING REGULATIONS. DEPTH FOR BITUMINOUS PAVEMENT SHALL BE EQUAL TO EXISTING PAVEMENT WITH 4" MINIMUM. (1 1/2" WEARING, 2 1/2" BASE).
2. NEW ROADWAY CONSTRUCTION SHALL CONFORM TOWN OF MILFORD SPECIFICATIONS.
3. MATERIAL SHALL BE REPLACED IN KIND WHENEVER POSSIBLE.
5. A MINIMUM 2" CUTBACK IS REQUIRED AT THE TOP OF THE TRENCH WALL OVER UNDISTURBED MATERIAL.

8 Typical Trench Detail
D1 N.T.S.



9 Permanent Pavement Repair
D1 N.T.S.

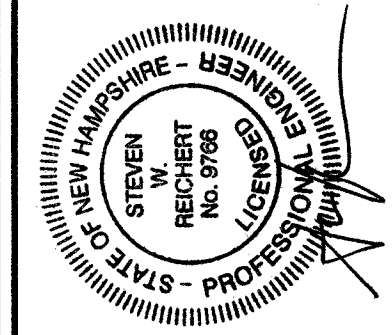


10 Pavement Section For Driveways
D1 N.T.S.

X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

NO.	DATE	REVISION	DESIGNED	CHECKED	APPROVED
1	1/14/16		ELC/MFL	DAL/XMG	SWR

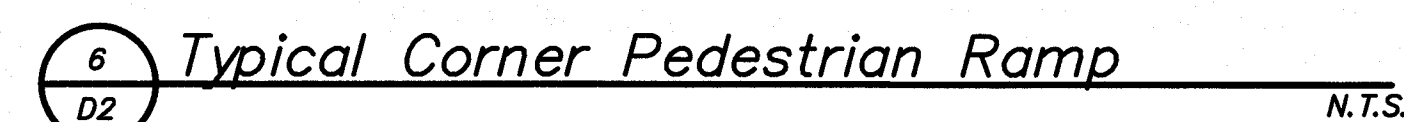
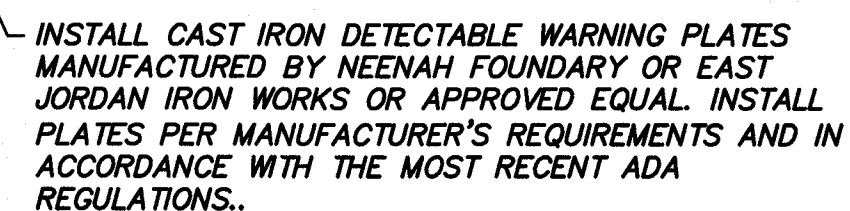
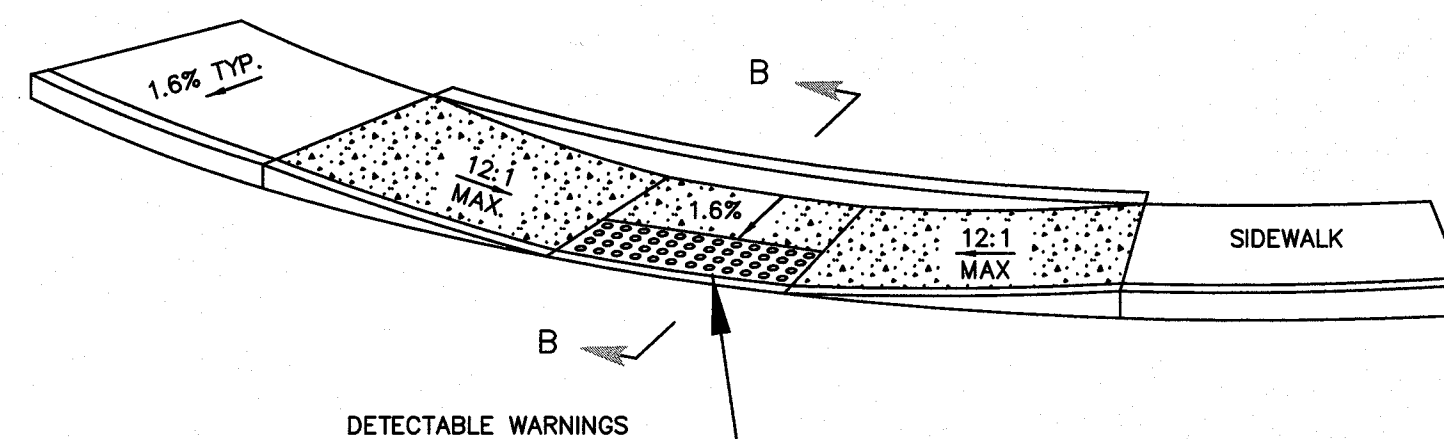
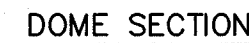
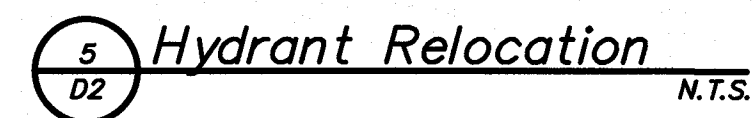
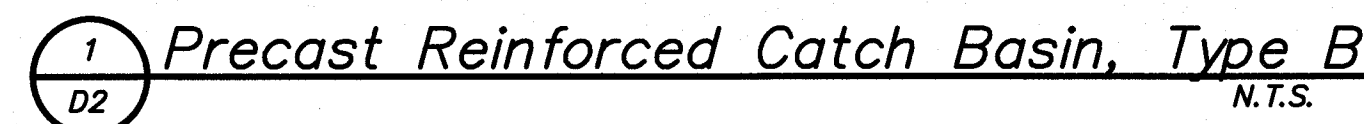
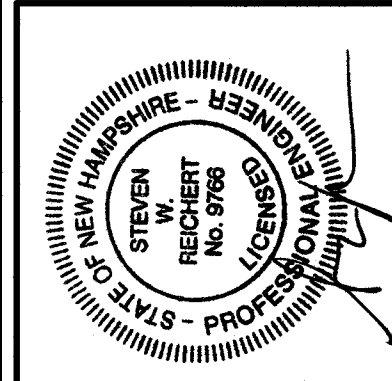
ISSUED FOR CONSTRUCTION
NO. 1
DATE 1/14/16
REVISION
DESIGNED ELC/MFL
CHECKED DAL/XMG
APPROVED SWR



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
DETAILS

SCALE: N.T.S.	JOB NO. 07-0171
DATE: JAN 2016	DWG. D1

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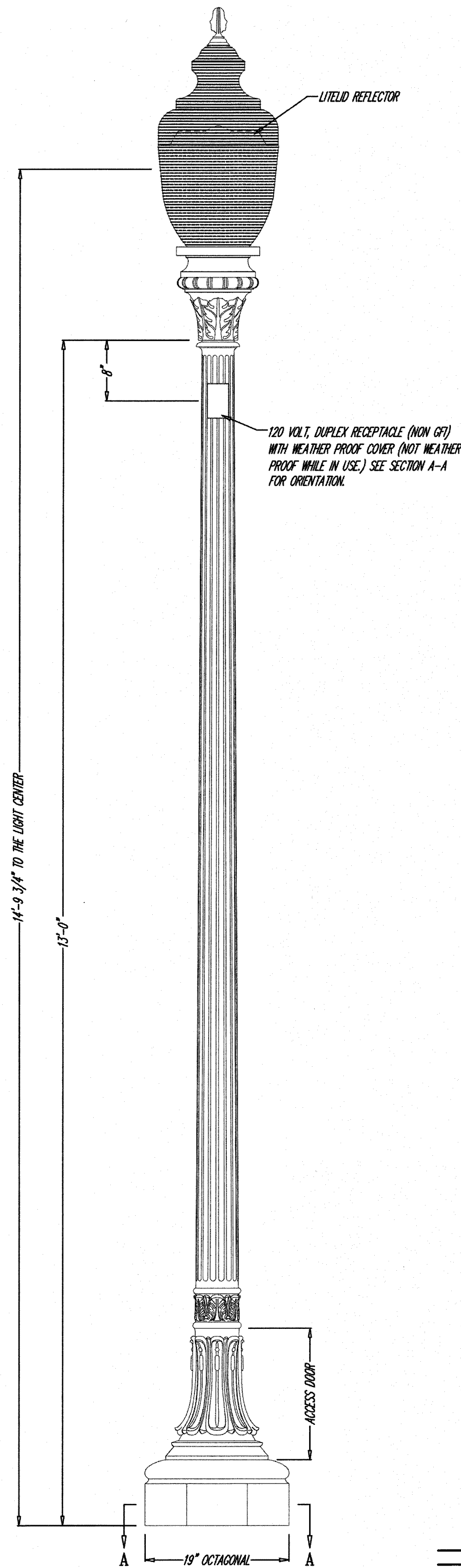
TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

**SOUTH STREET
IMPROVEMENT PROJECT**

**SOUTH STREET
MILFORD, NEW HAMPSHIRE
DETAILS**

SCALE:	JOB NO.
N.T.S.	07-017

DATE: JAN 2016	DWG. D2
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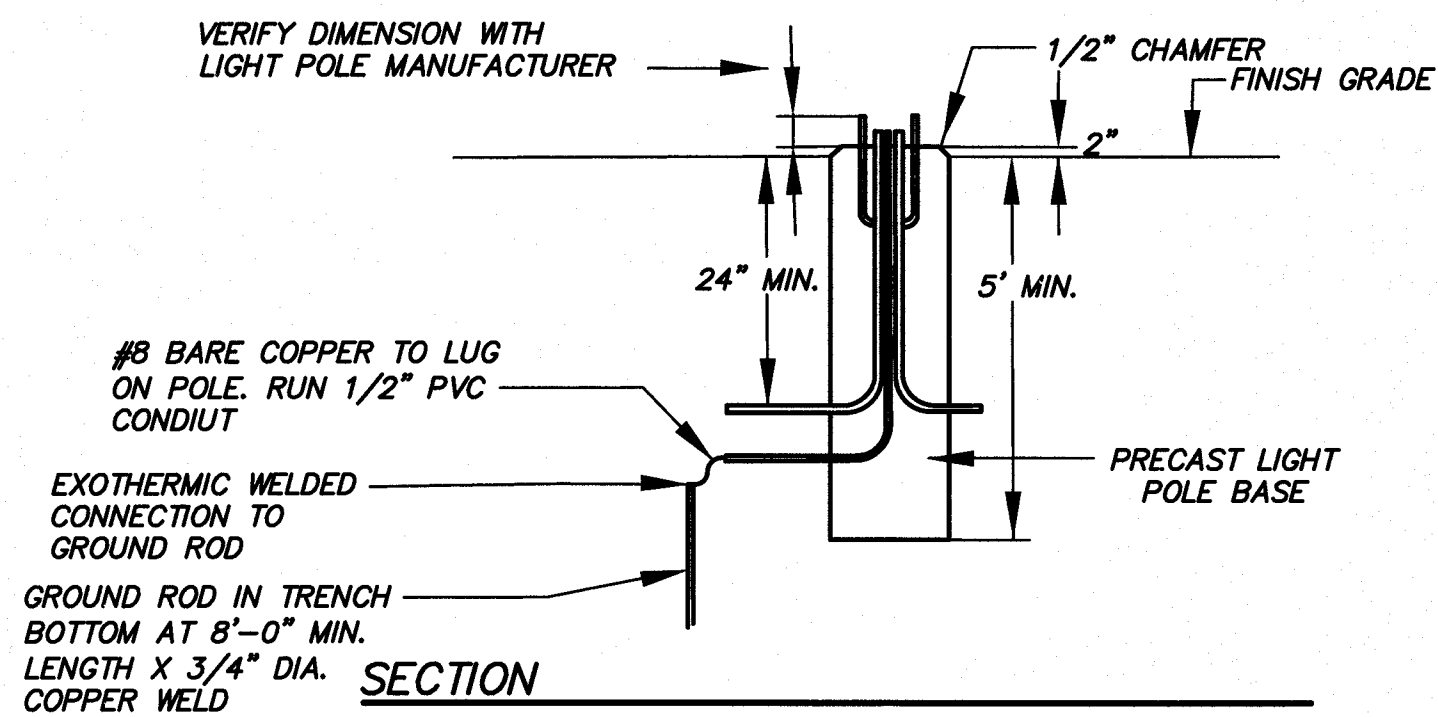
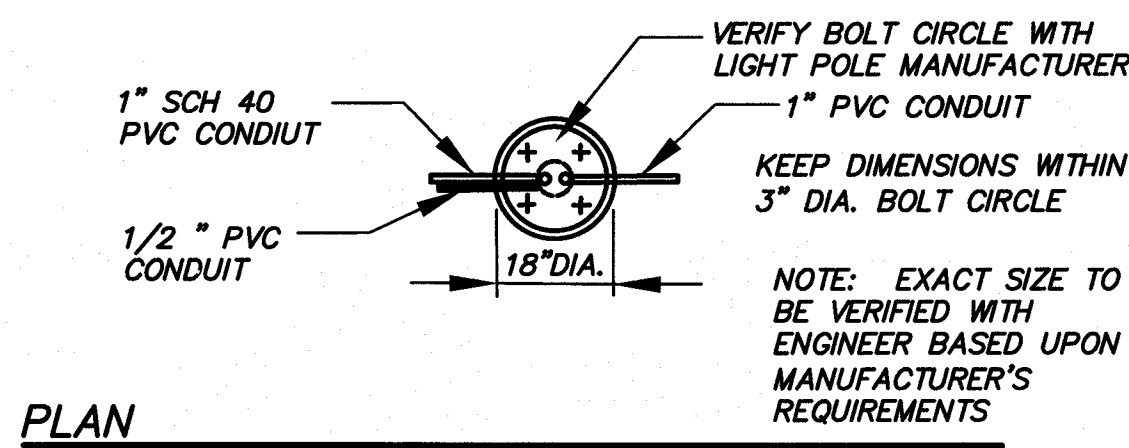
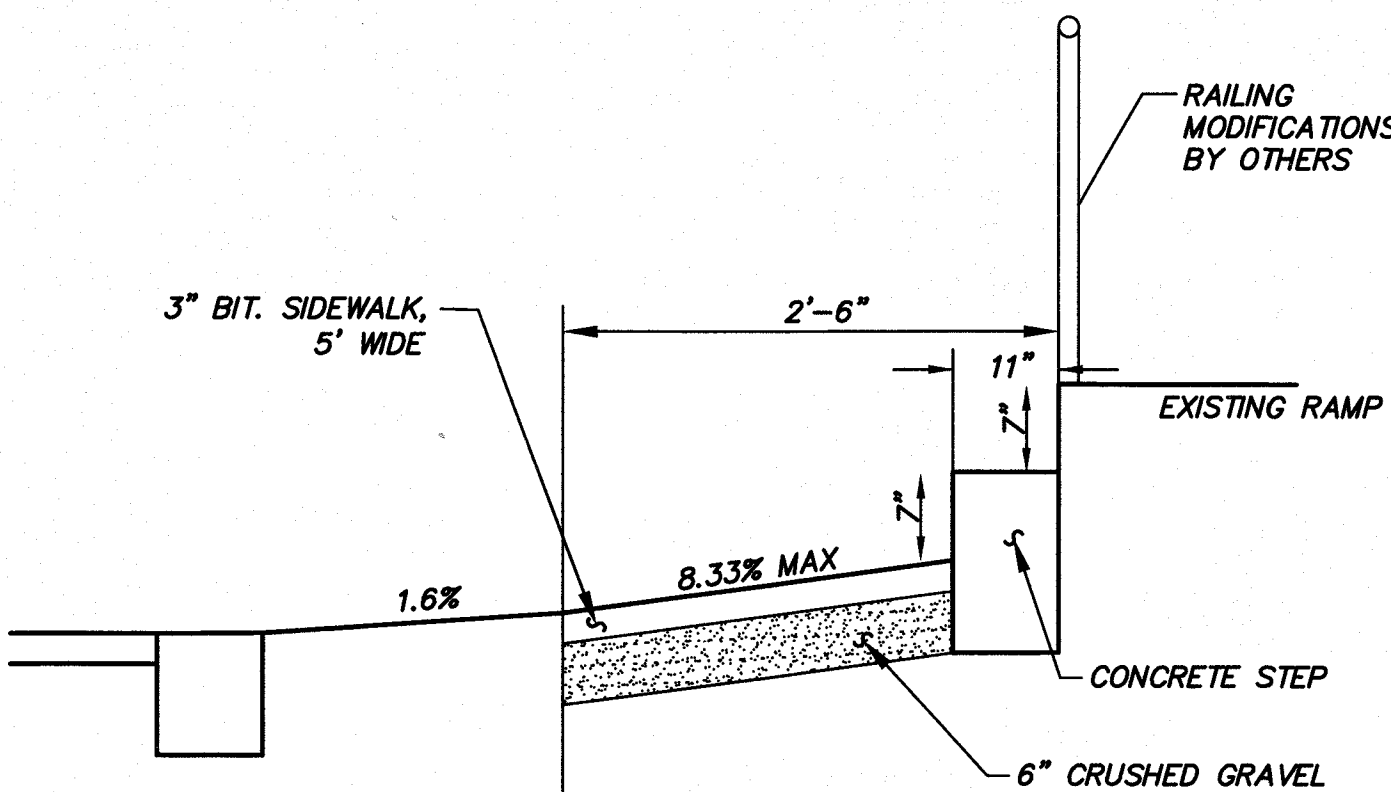
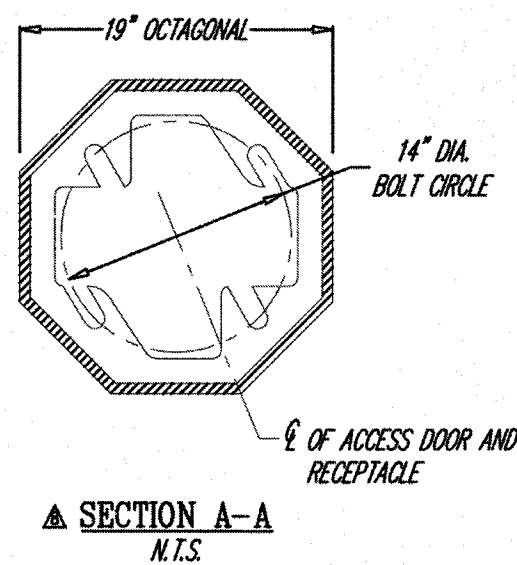
LUMINAIRE SPECIFICATIONS

STYLE: EFW-SZ118-5
HEIGHT: 43 5/8"
WIDTH: 15 7/8"
MATERIAL: CAST IRON
GLOBE: RETRACTIVE POLYCARBONATE
FINISH: PRIME PAINT, SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67H5 - PART H)
LAMPING: 100 WATT HIGH PRESSURE SODIUM (LAMP BY OTHERS)
VOLTAGE: 120 VOLTS
SOCKET: MOULD BASE
DISTRIBUTION: TYPE V SYMMETRIC

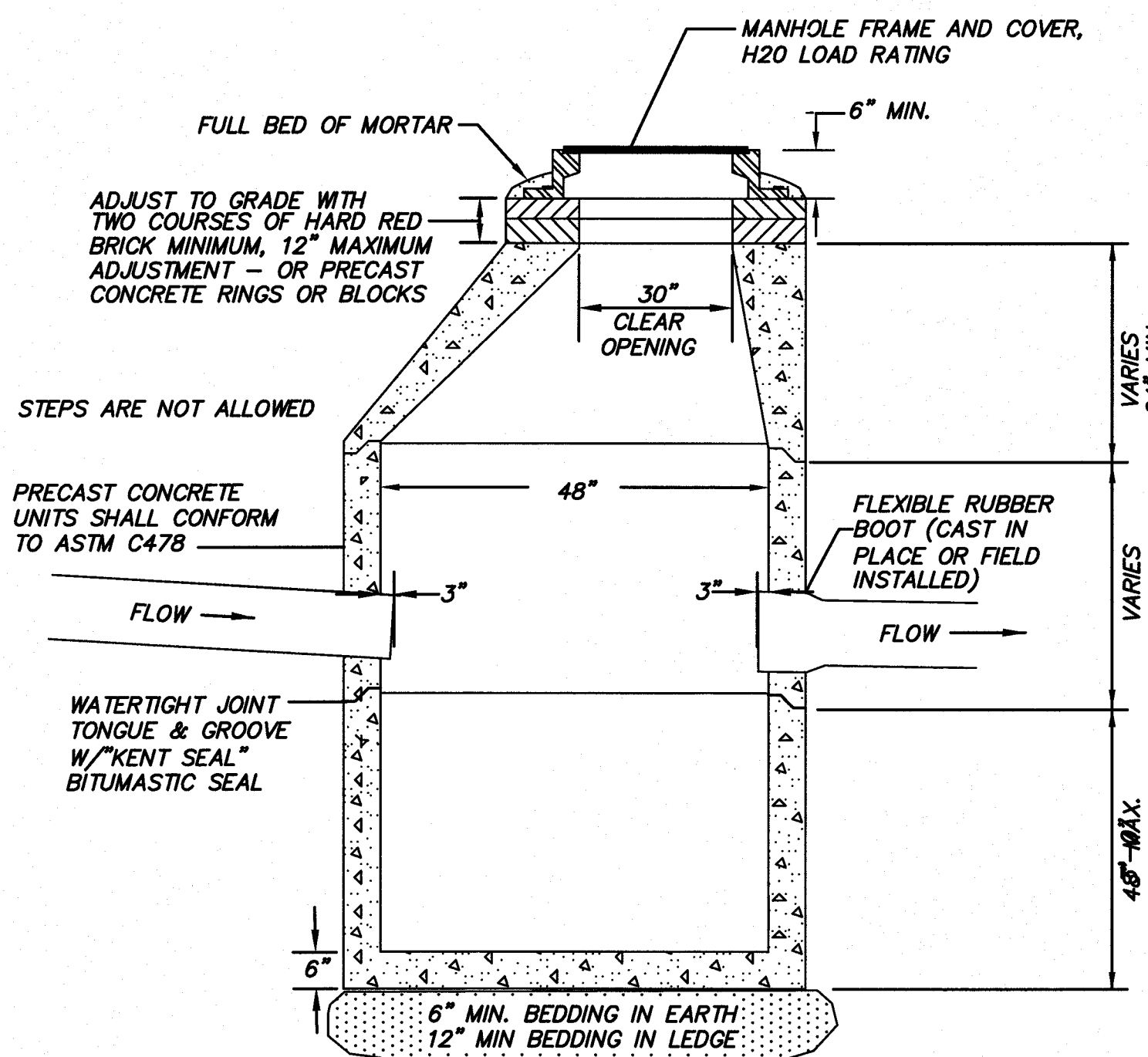
LAMP POST SPECIFICATIONS

STYLE: PARKWOOD
HEIGHT: 13'-0"
LIGHT CENTER: 14'-9 3/4"
BASE: 19" OCTAGONAL
MATERIAL: 1 PIECE, HEAVY WELD CAST IRON PER A.S.T.M. A 48-83 CLASS 30
FINISH: PRIME PAINT, SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67H5 - PART H)
ACCESS DOOR: LOCATED IN BASE
GROUND STUD PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
ANCHOR BOLTS: (4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION: 3" REQUIRED
TENON: 4" DIA. X 3" HIGH

△ QUANTITY 6 COMPLETE UNITS REQUIRED



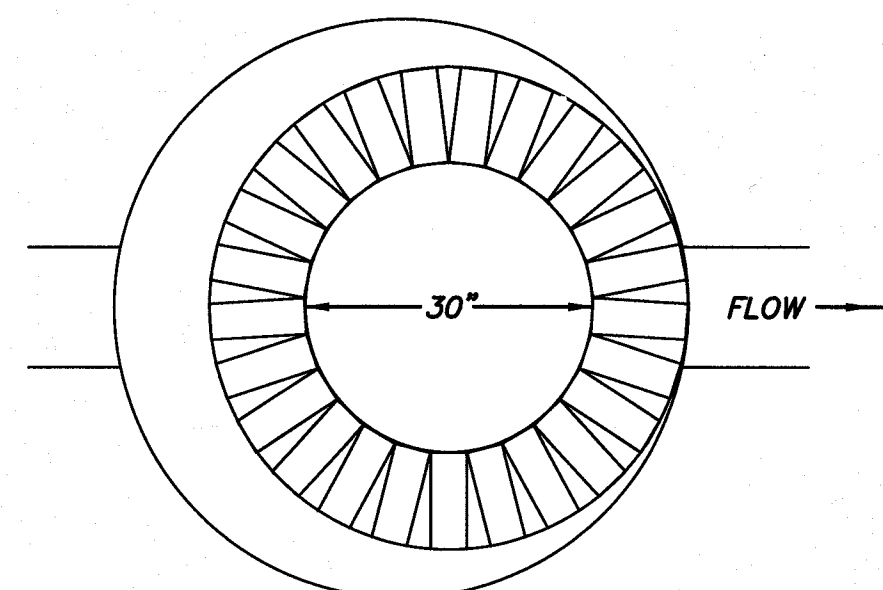
2 Light Pole Base Detail
D3 N.T.S.



3 Sign Post
D3 N.T.S.

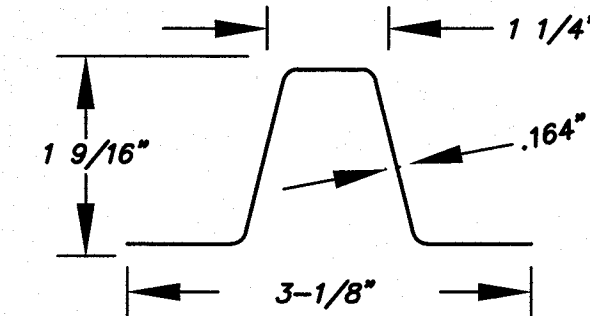
X-A000(565)14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

TYPE OF PIPE	SIZE	MAX. DIST. TO FIRST JOINT
R.C.P. & C.I.	ALL	48"
C.I.P.	ALL	48"
P.V.C.	>15"	48"
V.C.P.	0-12"	18"
V.C.P.	>12"	36"

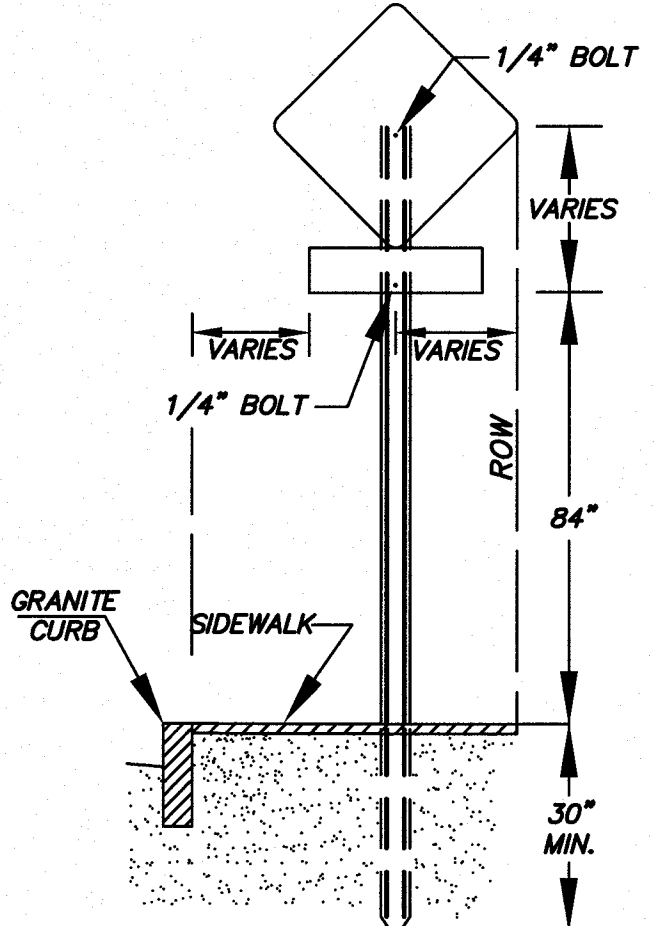


5 Drain Manhole Detail
D3 N.T.S.

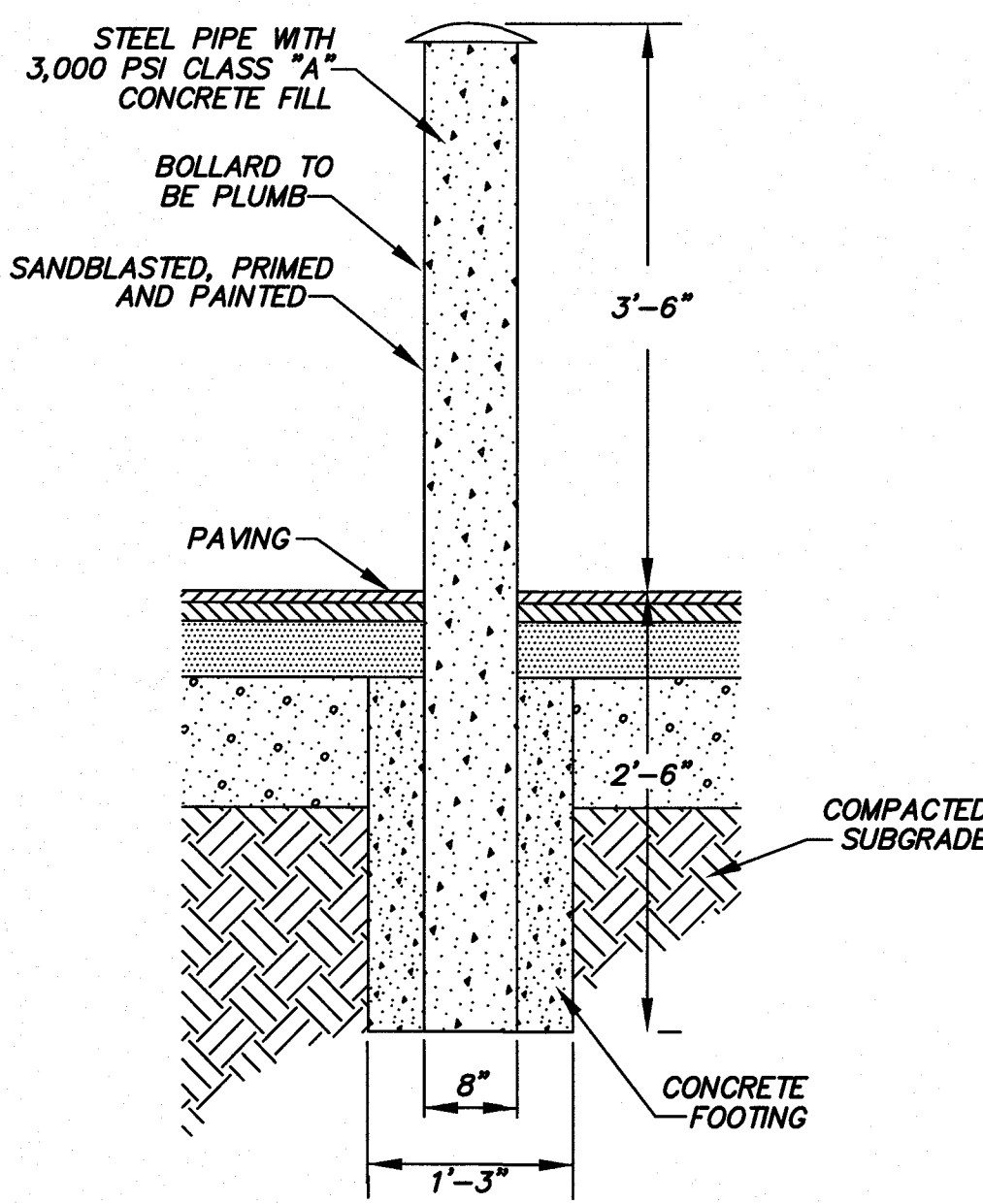
LENGTH: P-12, 12'-0"; P-14, 14'-0"; P-16, 16'-0".
WEIGHT PER LINEAR FOOT: 2.50 LBS. (MIN.)
HOLES: 3/8" DIA. 1" C-C FULL LENGTH
STEEL: SHALL CONFORM TO ASTM A-499 (GRADE 60) OR ASTM A-576 (GRADE 1070-1080).
FINISH: SHALL BE PAINTED WITH TWO COATS OF AN APPROVED MEDIUM GREEN, BAKED ON OR AIR DRIED, PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.



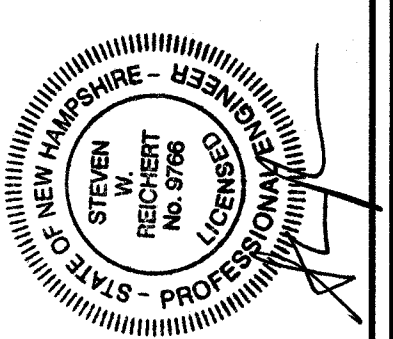
DIMENSIONS SHOWN ARE NOMINAL
ALTERNATE SECTIONS MUST BE APPROVED PRIOR TO USE.



- NOTES
- POSTS SHALL BE PLUMB; ANY POST BENT OR OTHERWISE DAMAGED SHALL BE REMOVED AND PROPERLY REPLACED. POSTS MAY BE SET OF DRIVEN.
 - WHEN POSTS ARE SET, HOLES SHALL BE DUG TO THE PROPER DEPTH; AFTER INSERTING POSTS, THE HOLES SHALL BE BACK FILLED WITH SUITABLE MATERIAL IN LAYERS NO TO EXCEED 6" DEEP THOROUGHLY COMPACTED, CARE BEING TAKEN TO PRESERVE THE ALIGNMENT OF THE POST.
 - WHEN POSTS ARE DRIVEN, A SUITABLE DRIVING CAP SHALL BE USED AND AFTER DRIVING THE TOP OF THE POST SHALL HAVE SUBSTANTIALLY THE SAME CROSS-SECTIONAL DIMENSION AS THE BODY OF THE POST; BATTERED HEADS WILL NOT BE ACCEPTED.
 - POSTS SHALL NOT BE DRIVEN WITH THE SIGN ATTACHED TO THE POST.
 - SIGNS SHALL BE ERECTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
 - WHEN SIGN IS IN PLACE NO PART OF POST SHALL EXTEND ABOVE THE SIGN.



6 Bollard
D3 N.T.S.

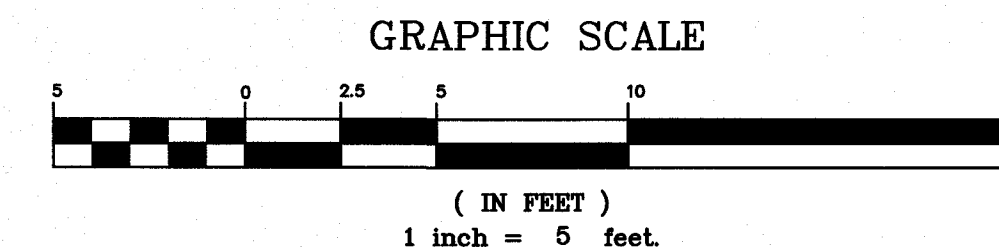
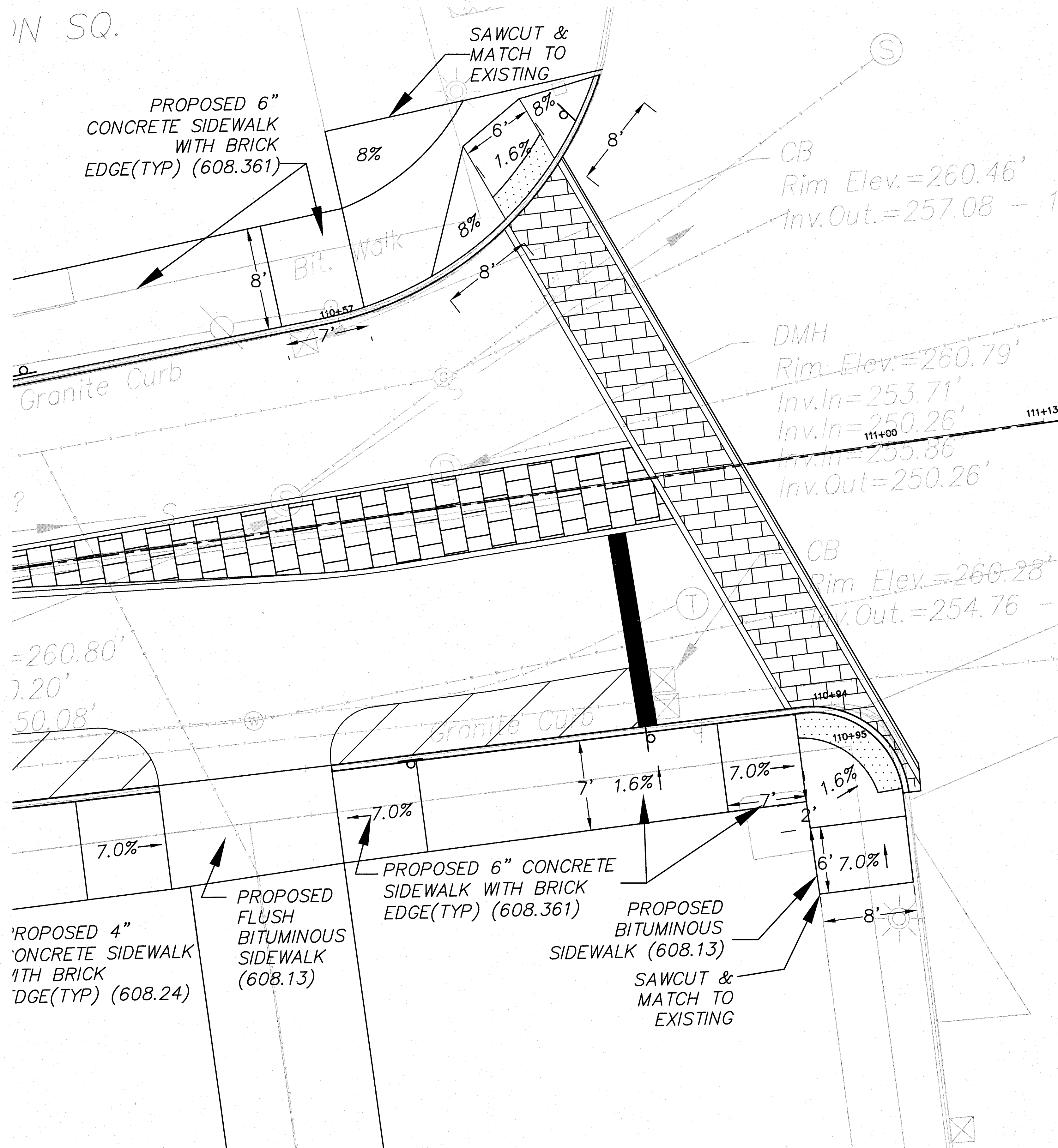


TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
DETAILS

SCALE: N.T.S. JOB NO. 07-0171
DATE: JAN 2016 DWG. D3

F:\PROJECTS\MANCHESTER\070171 MILFORD\TECHNICAL\DRAWINGS, PLOTS AND PLANS BY OTHERS\REVISED PLANS BY DAO 1-12-16\070171 GDL\PLANS\2013REV011216.DWG 1/12/2016 8:38 AM

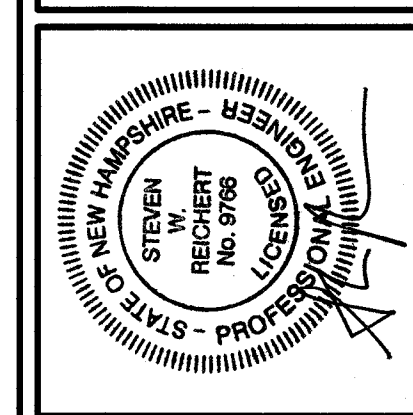


Parallel Curb Ramp Details at the Intersection of South Street and Nashua Street
1" = 5'

X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

REVISIONS PER NHDOT REVIEW		NO.	DATE	DESIGNED:	CHECKED:	APPROVED:
1		1	1/14/16	ELC/MFL	DAL/RMG	SMR

CLC CONSULTING ENGINEERS
Inc.
540 Commercial Street - Manchester, NH 03101
(603) 668-8223 • Fax: (603) 668-8802
cid@clcengineers.com • www.clcengineers.com
Maine • New Hampshire • Vermont



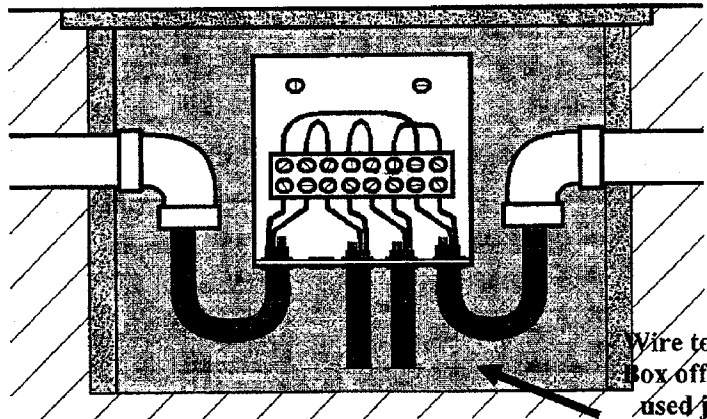
CLIENT:
TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
PROPOSED SIDEWALK DETAILS

SCALE: H: 1"=5'	JOB NO. 07-0171
DATE: JAN 2015	DWG. D4

Town of Milford – Fire Department
Fire Alarm Division

In-ground Enclosure Configuration



For box dimensions /
junction configuration, see
the following diagrams

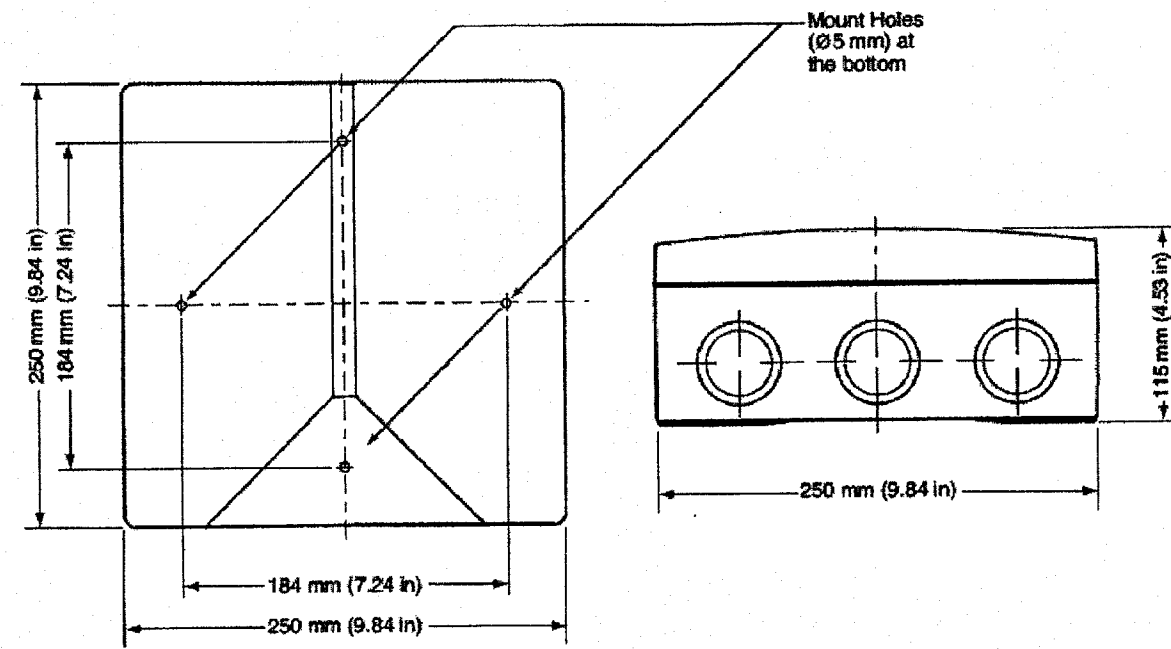
- In-coming and out-going conduits will have down spouts and rubber gaskets or seals to prevent rain and ground water collection
- Enclosures will be placed in areas which may permit future expansion, in the business district and street intersections, while creating minimal future surface disruption (approximately every 100 feet)
- Enclosures shall be labeled with logo's indicating FIRE ALARM to differentiate from other utility service enclosures
- In ground enclosures will be heavy duty to prevent damage from sidewalk plowing and pedestrian traffic

Terminal Box Enclosure Specifications

- Junction boxes shall be equipped with gaskets and weatherproofed as much as possible to prevent circuit damage or connectivity compromise
- Whenever possible, junction boxes shall be mounted to the wall of the underground enclosure to prevent movement and loosening of connections
- Junction boxes shall be labeled to indicate FIRE ALARM CIRCUIT and LOW VOLTAGE connections
- In coming cables shall be secured with tensioning clamps to prevent wire movement, within the junction box

Town of Milford – Fire Department
Fire Alarm Division

Terminal Box Enclosure Dimensions / Data

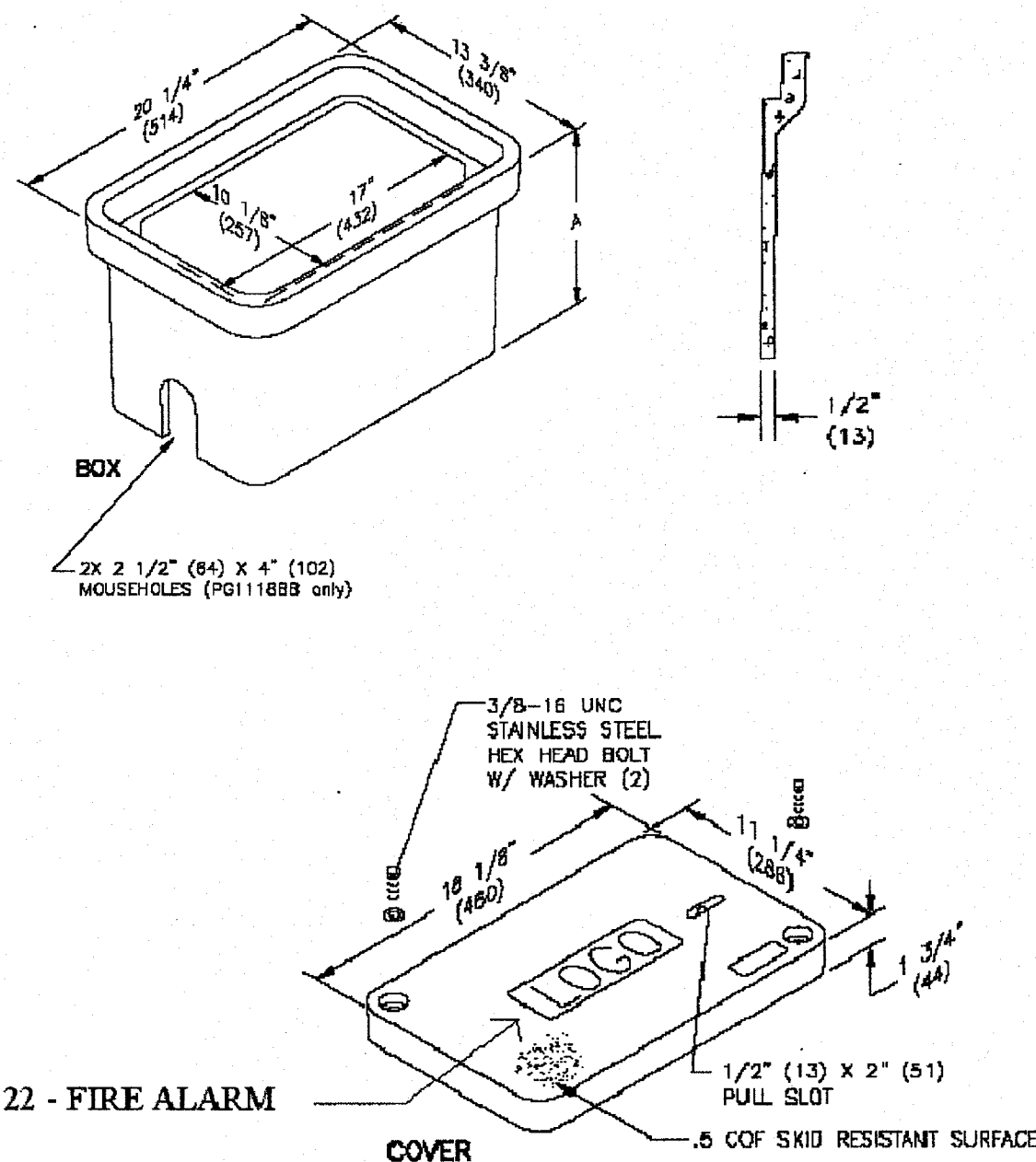


- Standard Features
- Protection Level: IP65
 - Technical: Knockout Sidewalls
 - Enclosure Material: Polycarbonate
 - Gasket Material: Polyurethane
 - Color: Light Gray
 - Temperature Range: -35°C to 120°C (-31°F to 248°F)
 - Included Accessories: Tamper Kit
 - Accessories: See section below

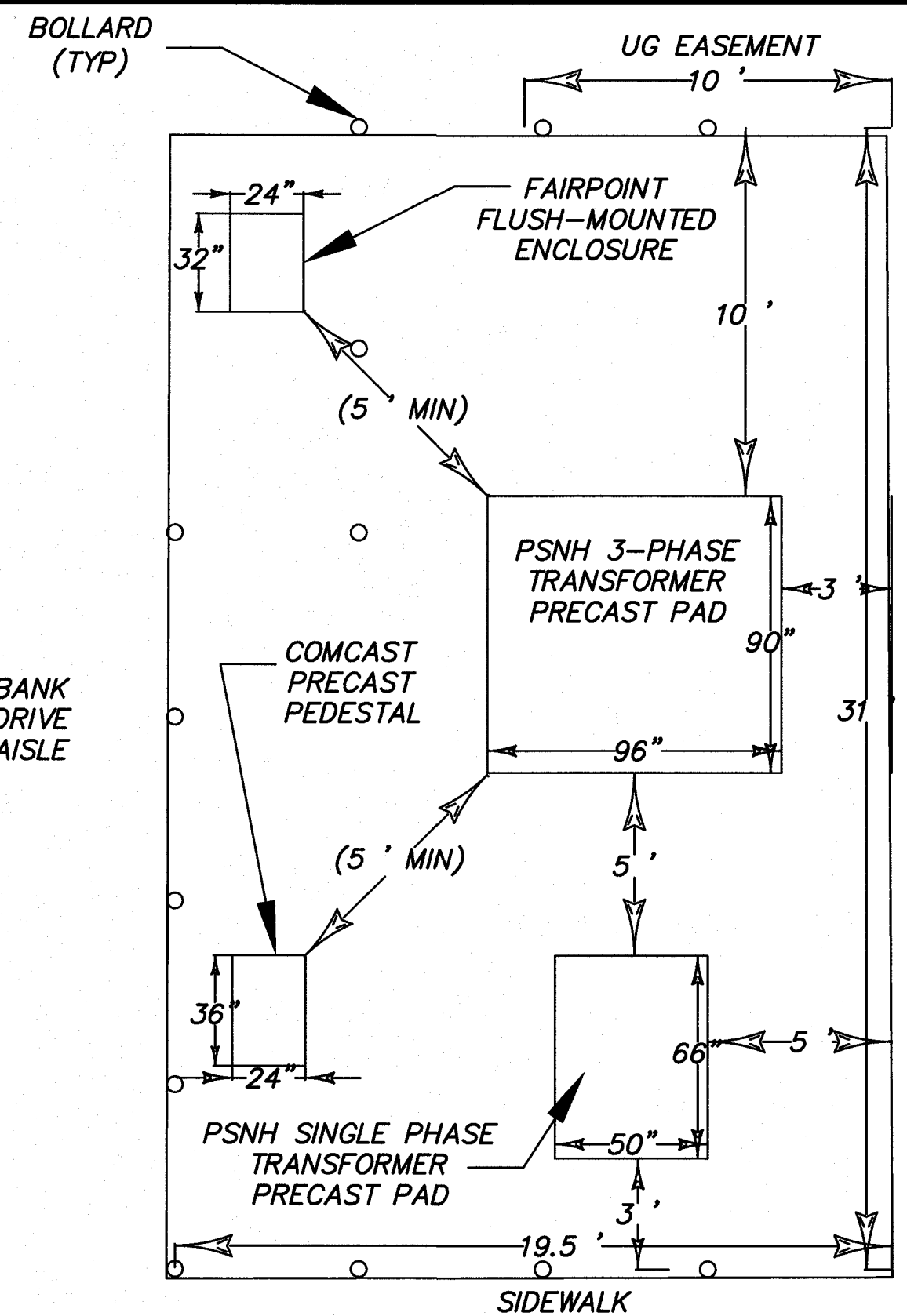
Ordering Information	Qty.	Terminal	Length	Dimensions mm (in)	Height
Enclosure with terminals	490-025	35/25 mm ² - 5 pole	250 mm (9.84 in)	250 mm (9.84 in)	115 mm (4.53 in)
Enclosure - empty	490-025	NA	250 mm (9.84 in)	250 mm (9.84 in)	115 mm (4.53 in)
Accessories					
Ordering Information	Qty.	Type	Length	Dimensions mm (in)	Height
Mounting Plate	855-035	MP350	1	250 mm (9.84 in)	115 mm (4.53 in)
DN Rail TS35 - 35x216mm	854-035	TS35/216	1	250 mm (9.84 in)	115 mm (4.53 in)
Terminal (high-set)	840-035	35/25 mm ² - 5 pole	1	250 mm (9.84 in)	115 mm (4.53 in)

Town of Milford – Fire Department
Fire Alarm Division

Underground Enclosure Dimensions / Specifications



Logo - 22 - FIRE ALARM

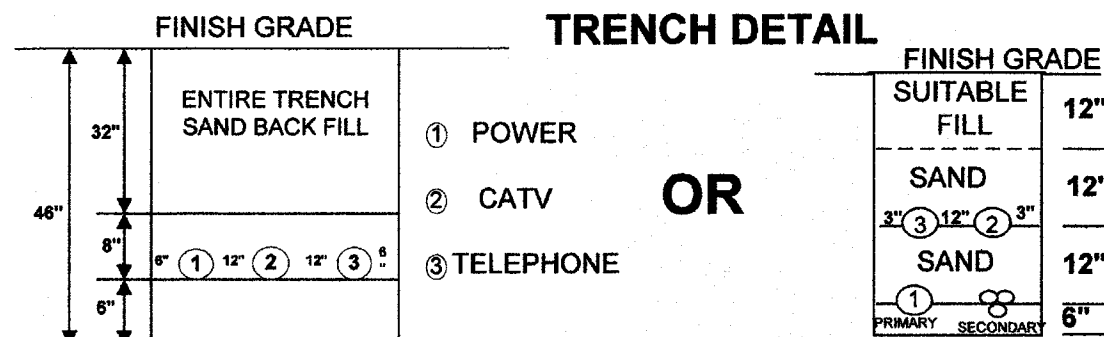


BANK EQUIPMENT EASEMENT

N.T.S.

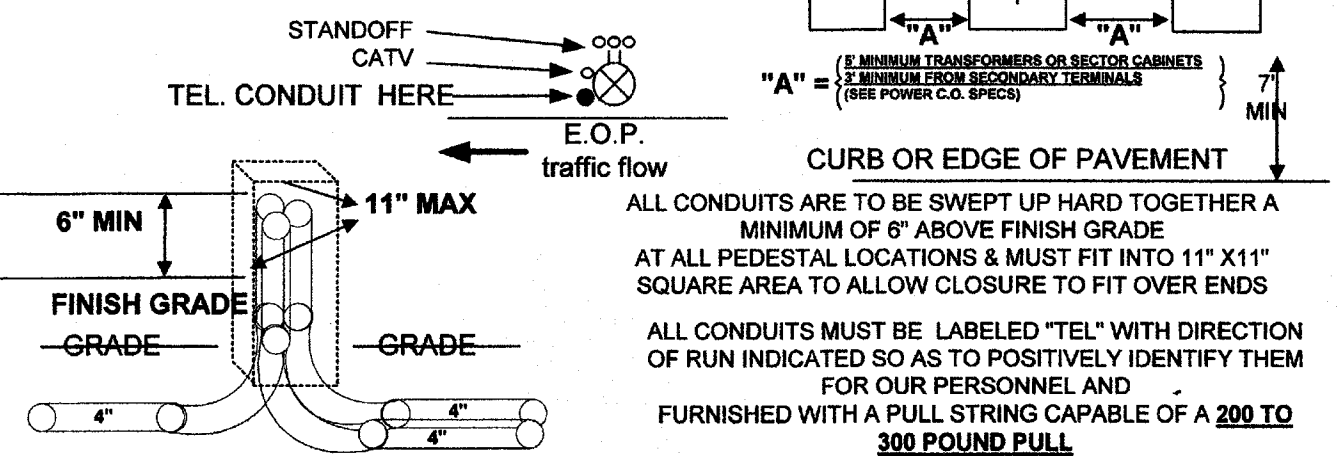
CONDUIT SPECIFICATIONS

ANY DEVIATION FROM OUTLINED SPECIFICATIONS MUST BE AGREED TO IN ADVANCE BY FAIRPOINT ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONDUIT THROUGH WHICH CABLE CAN BE SUCCESSFULLY PULLED. THE CONTRACTOR IS RESPONSIBLE FOR ALL EXPENSE ASSOCIATED WITH THE REPAIR OF CONDUIT THAT CANNOT BE USED BY FAIRPOINT. FAIRPOINT RESERVES THE RIGHT TO REQUIRE INSPECTION OF CONDUIT PRIOR TO BACK FILLING TO ENSURE COMPLIANCE.



A - SAND BACK FILL SHALL CONSIST OF FINE GRANULAR MATERIAL 100% SHALL PASS THROUGH A 1/4" SIEVE
B - EXCEPTION: NATURALLY OCCURRING SMOOTH ROUND PEBBLES NO GREATER THAN 3/8" IN DIAMETER ARE PERMITTED AS LONG AS THEIR TOTAL VOLUME PER CUBIC FOOT OF SAND DOES NOT EXCEED 1%
C - THE SAND SHALL BE COMPLETELY FREE OF FROZEN LUMPS, ROCKS, STONES, DEBRIS OR RUBBISH

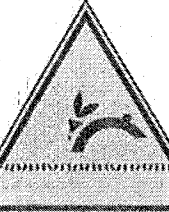


ALL CONDUIT SHALL BE GRAY NESC SCHEDULE 40 PVC OR EQUIVALENT (REQUIRES TEL ENGINEER APPROVAL)
4" MINIMUM FOR TELEPHONE CABLE 2" MINIMUM FOR SERVICE WIRES
UNDER NO CIRCUMSTANCES WILL VERIZON SHARE A CONDUIT WITH ANOTHER UTILITY. DO NOT ATTACH TO POWER CO STANDOFF BRACKETS FOR SERVICE WIRE CONDUIT SHOULD BE SWEEPED UP AT LEAST EVERY 250'



ALL BENDS ARE TO BE 36" RADIUS SWEEPS (NO PLUMBERS BENDS)
METALLIC SWEEPS REQUIRED ON ALL RUNS IN EXCESS OF 225'

GLB® GRADE LEVEL BOX APPLICATIONS

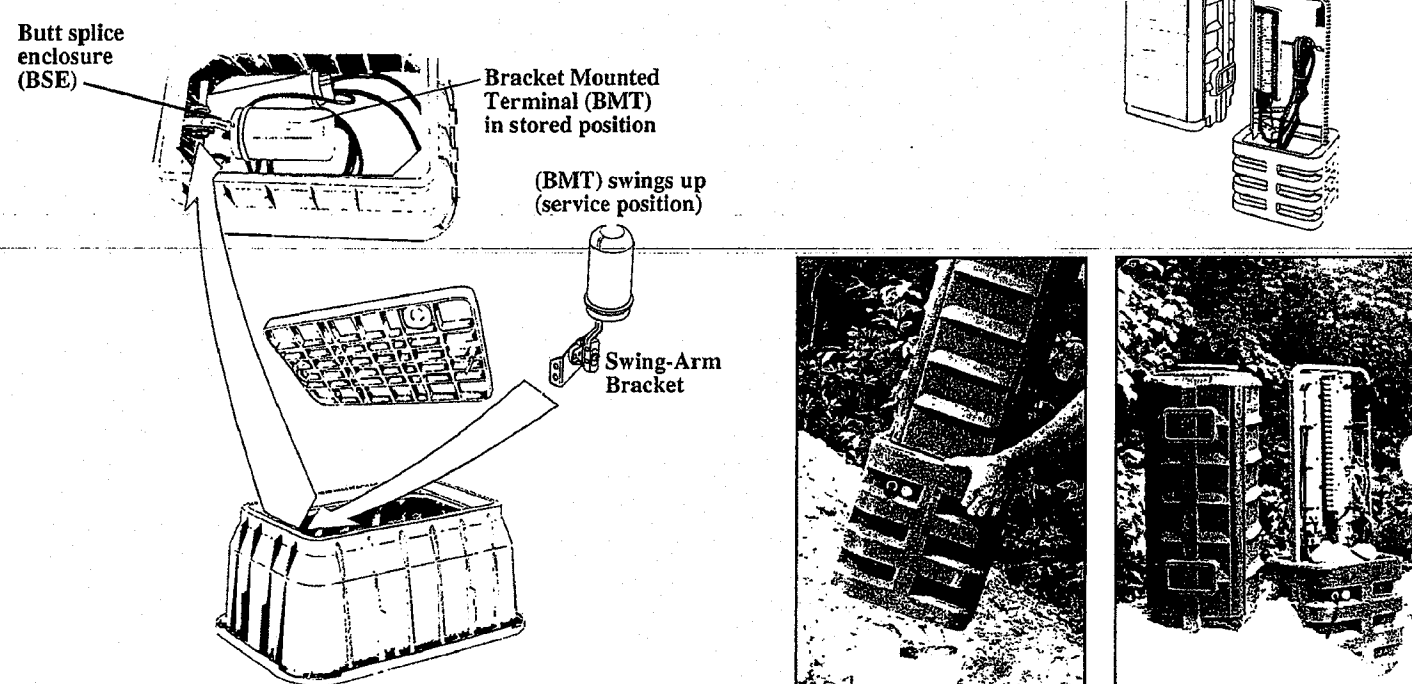
The table below lists Grade Level Boxes available for Greenbelt, Sidewalk and Driveway/Alley applications. Refer to the Product Column and cross reference to the Application Column for available bodies and lids.

														
Application ...	GREENBELTS 3,000 lb. Static Load		SIDEWALKS 12,000 lb. Static Load				DRIVEWAYS/ALLEYS 20,000 lb. Static Load							
	Body	Lid	Body		Lid		Body	Lid						
Material ...	HDPE	HDPE	Polymeric Concrete	HDPE Composite Fiber	Polymer Concrete	Fiberglass Reinforced Plastic Material	Polymer Concrete	Composite Material	Steel	FRP with Polymer Composite Ring	Polymer Concrete	Reinforced Concrete	Polymer Concrete	Steel
Product #														
GLB708	n	n												
GLB910	n	n			n	n	n	n						
GLB1419	n	n			n	n	n	n			n	n	n	n
GLB1220	n	n												
GLB1524	n	n	n	n	n	n	n	n	n		n	n	n	n
GLB1530					n		n	n						
GLB1730	n	n	n	n	n	n	n	n		n	n	n	n	
GLB1800										n		n		
GLB1801														
GLB2042								n	n					
GLB2400			n											
GLB2424	n	n	n				n							
GLB2456	n	n	n	n	n		n			n	n	n	n	n
GLB2448	n	n	n											
GLB2460	n	n	n											
GLB3048					n		n	n	n			n		
GLB3536	n	n	n											
GLB3560											n		n	
GLB3900			n				n			n				

BELL ATLANTIC APPROVED PRODUCTS

INSTALLATION METHODS

CHANNELL GRADE LEVEL BOX (GLB1730)
with factory installed swing arm



INSTALLATION OF GLB BOX

Telephone Terminal/Splice Box

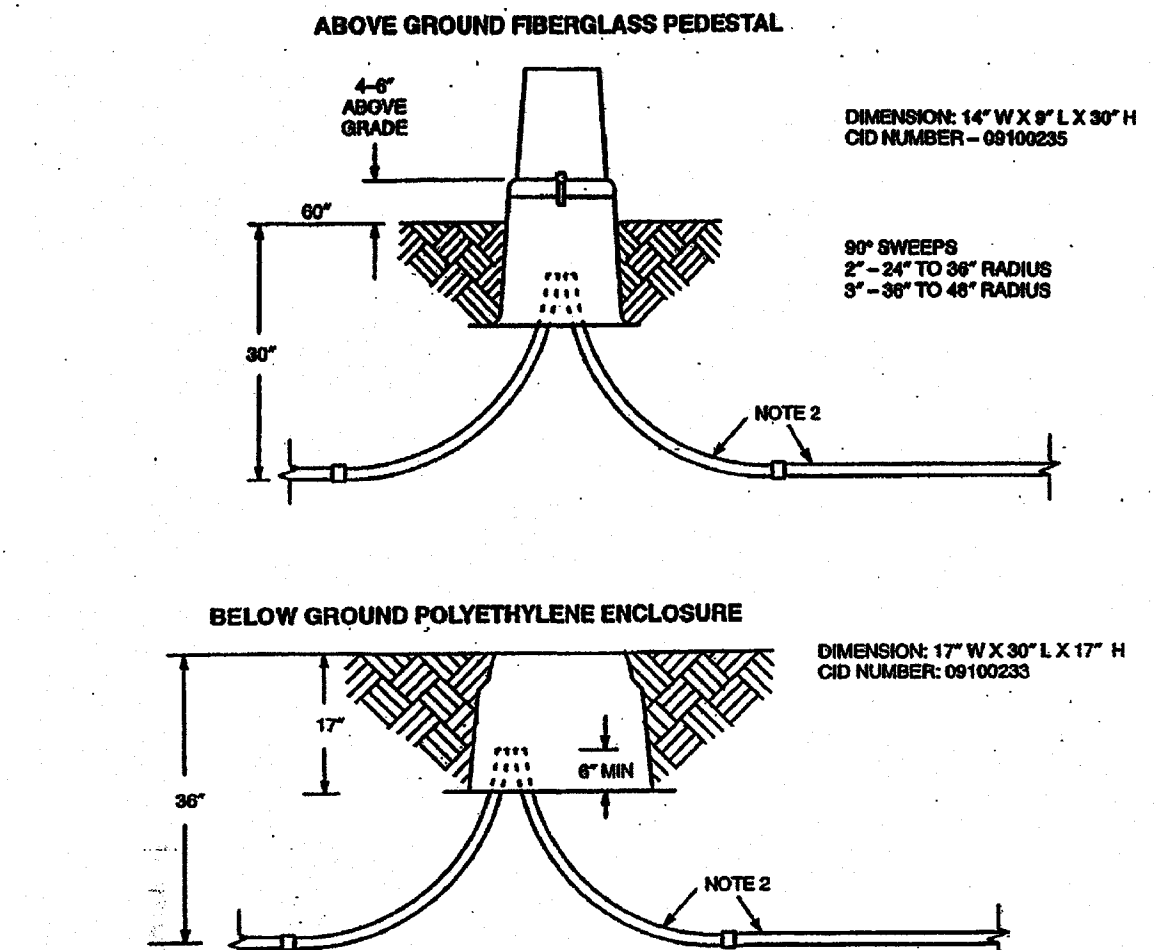
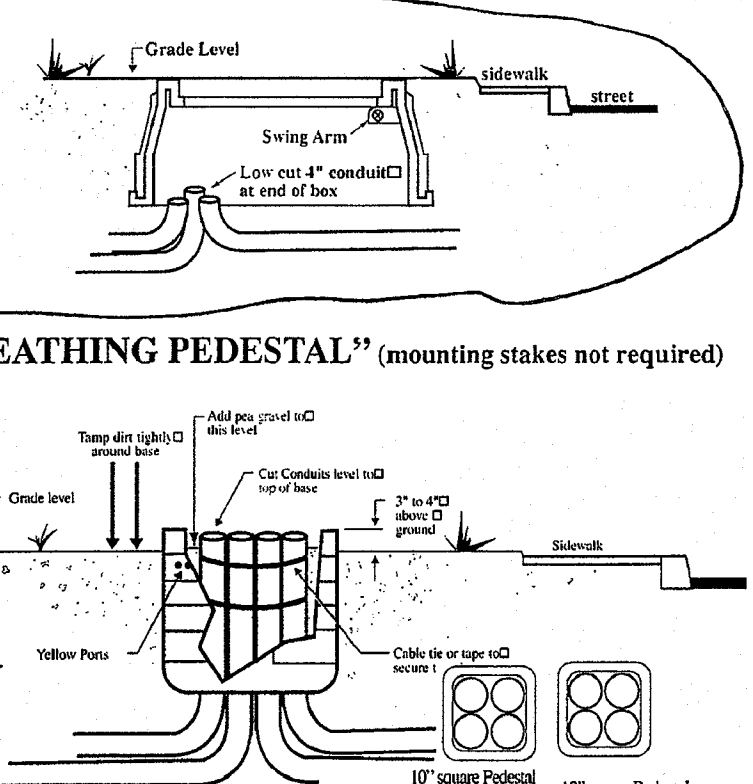
Three Key Elements

- Place box so that top of box is equal level with sidewalk or grass (observe final grade)/check transformer pad or fire hydrant.
- Place box so that all conduits are at the far end of the box (not middle/opposite swing arm device).
- Cut conduits as low as possible (equal to bottom of box).
- Seal conduits.

INSTALLATION OF MAH "FREE-BREATHING PEDESTAL" (mounting stakes not required)

Guide to Plastic Pedestal Placement

- Procedure is the same for placing the base of the pedestal or the whole pedestal.
- Make sure all conduit sweeps come together in a tight formation and that they are secured together with cable ties or tape.
- Place base of pedestal over conduits and bury up to the "ground line mark" or the yellow port holes. This should be as close to final grade as possible.
- Tamp dirt tightly around the base using your foot or a tool.
- Cut the conduits back, level to the top of the base of the pedestal.
- Fill base with gravel in accordance with local procedures.



- NOTES:
- All PVC conduit shall be UL approved, gray in color, and at least schedule 40 electrical grade that meets NEMA TC-2 requirements. Rigid galvanized steel conduit may also be used. CAUTION: See NOTE 2 - Galvanized Sweep Elbows.
 - All sweep elbows shall be galvanized steel type approved for electrical cables and have approved sealing compound applied to threaded coupling. A ten foot straight piece of rigid galvanized steel is required on the horizontal run to a vertical 90° sweep.
 - Temporary approved conduit and caps shall be placed on the exposed ends of conduit. Necessary measures shall be taken to prevent water, sand, and other objects from entering the conduit during and after construction. After construction is complete, seal conduits using proper methods (one method is expanding polyurethane foam sealant).
 - Subsidiary pulling string, capable of a 300 pound pull, shall be installed in the conduit system. Avoid bonding the string to the conduit with the fresh PVC cement.
 - A sweep elbow and a ten foot section of conduit, with a watertight end cap, shall be installed for all known future load to be fed from an enclosure.
 - Remove all organic topsoil under enclosure and compact native material. Backfill, if necessary, with clean, well compacted gravel.
 - Watertight, URD service entrance multiple outlet connectors shall be used in the below ground enclosure.
 - On below ground enclosure, bring both conduits in at one end. This will allow the secondaries to be installed lengthwise in the enclosure so that working slack is available.

TYPICAL SECONDARY CABLE
ENCLOSURE INSTALLATION

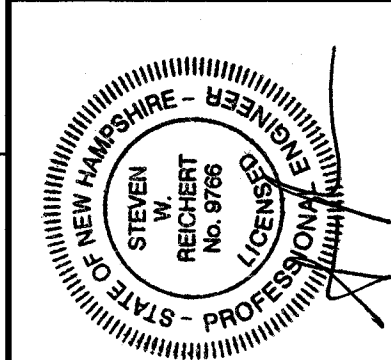
ORIGINAL	DATE	APPROVED
1/14/16	1/14/16	1/14/16

NORTHEAST UTILITIES CONSTRUCTION STANDARD DTR 54.215

NOTES:

- INFORMATION SHOWN ON THIS PLAN IS COMPILED FROM INFORMATION PROVIDED BY INDIVIDUAL UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH EACH OF THE UTILITIES TO ENSURE FACILITIES PLACED UNDERGROUND MEETS EACH UTILITY'S SPECIFICATIONS.
- REFER TO CONDUIT PLAN FOR SIZE AND LOCATION OF ALL CONDUIT AND EQUIPMENT INSTALLATION.

ISSUED FOR CONSTRUCTION	REVISION	DATE	DESIGNED	CHECKED	APPROVED
1	1/14/16	1/14/16	ELC/MFL	DAL/XMG	SWR



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

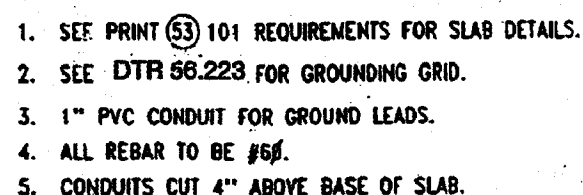
SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
UTILITY DETAILS

SCALE: N.T.S.	JOB NO. 07-0171
DATE: JAN 2016	DWG. D5



1. All non-metallic conduit and fittings shall be electrical grade, Schedule 40 PVC, and shall conform to the applicable sections of NEMA T2C-1990 and be UL Listed. *Only gray-colored conduit will be accepted.* Any PVC conduit not having the proper NEMA and UL markings will not be used. All PVC conduit shall be certified to ASTM A120 and the rigid galvanized steel. All PVC conduit joints must be cemented. Steel fittings shall be sealed with compound.
2. All 90 degree sweeps will be made using rigid galvanized steel with a minimum radius of 36 inches for primary cables and 24 inches for secondary cables. All steel sweeps within 18 inches of surface shall be painted to match surrounding conduit.
3. A 10'-0" horizontal section of rigid galvanized steel conduit will be required at each sweep, unless in the opinion of the PSNH designer, the sweep-PVC joint is not subject to failure during cable pulling.
4. The conduit should cover paved areas at approximately 90 degrees.
5. Bells must be used on all conduit. The bell end of the conduit and the material is deemed unsuitable by PSNH. Backfill shall be free of frozen lumps, rocks, debris, and rubbish. Organic material shall not be used as backfill. Backfill shall be thoroughly compacted in 6-inch layers.
6. A suitable pulling string, capable of 2000 pounds of pull, must be installed in the conduit before PSNH is notified to install the cable. The string should be blown into the conduit after the run is assembled to avoid bonding the string to the conduit.
7. Routing of the conduit and inspection prior to backfill will be provided by PSNH. Installation of the conduit will be done by the contractor. The PSNH supervisor must be notified two business days prior to backfilling the trench. In the event that a cable is damaged or pulled back, the contractor must notify the PSNH. In a construction error, it will be the contractor's responsibility to locate and repair the involved conduit. The contractor will be responsible for all resulting expenses.
8. Normal conduit sizes for PSNH are 3-inch for single-phase primary and secondary voltage cables, 4-inch for three-phase secondary, and 5-inch for three-phase primary.

These regulations must conform to the current edition of the National Electrical Safety Code, state and local codes and ordinances, and where applicable, the National Electric Code.

8

CONC. VOLUME=4.44 c.y.
TOP SECTION ONLY

10

The drawing consists of two views of a transformer padmount enclosure.

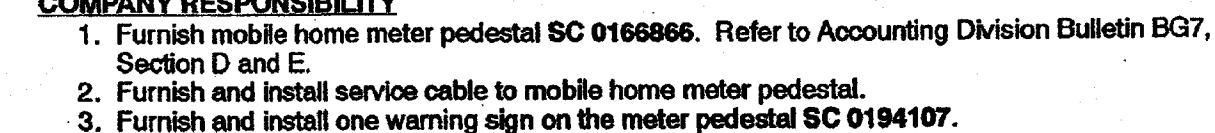
Top View:

- Overall width: 51 inches for 25 to 75 kva, 66 inches for 100 to 250 kva.
- Overall depth: 31 inches.
- Internal compartment labels: "Primary only" and "Secondaries & services".
- Internal width: 44 inches 25 to 75 kva, 50 inches 100 to 250 kva.
- Internal depth: 12 inches.
- Internal height: 5 inches.
- Orientation: "This face toward roadway" with an arrow pointing to the left side.

Side View:

- Overall height: 12 inches.
- Internal height: 8 inches.
- Ground clearance: 6 inches above finish grade.
- Labels: "1 inch chamfer on all exposed corners", "Finish grade", "See Note 3".
- Note: "All conduit must be cut 4 inches above floor of slab" with an arrow pointing to the conduit entry.

1. See sheet "Requirements for Padmounted Transformer Slab Details.
2. All reinforcing to be #6 bars.
3. 1 inch PVC conduit sleeve for ground grid leads.
4. See sheet "Pad-Mount Equipment Grounding Grid" DTR 56.223

15

1. Install mobile home meter pedestal furnished by the Company, as shown.
2. Furnish and install breakers, receptacles and wiring.
3. Secure front panel.
4. Furnish, install and connect NEC approved ground electrodes.
5. Cable to mobile home must be four-wire. Equipment and installation must comply with the National Electrical Code and all other local codes.
6. Conduit shall be electrical grade, Schedule 40, polyvinyl chloride (PVC) and shall conform to the applicable sections of NEMA TC2-1980 and be UL approved. Minimum size to be 3 inches.

6

GROUND LINE

TOP OF CONCRETE

8"

14"

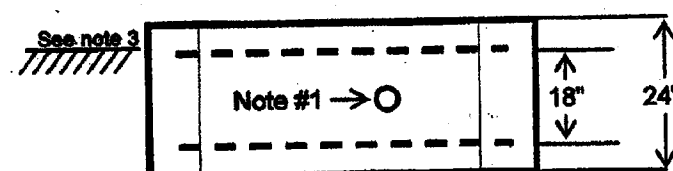
2"

1"

30"

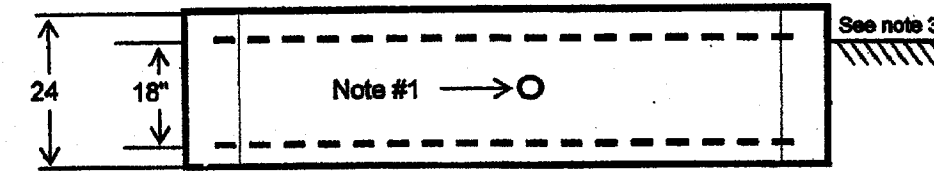
2"

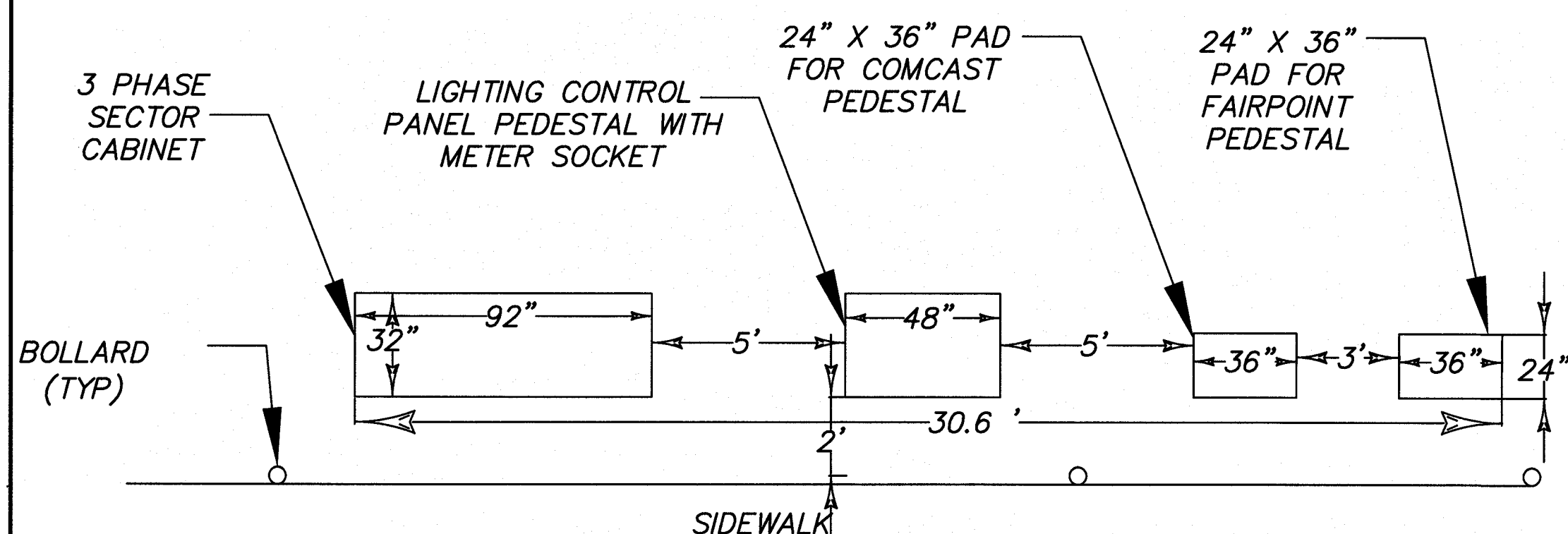
SINGLE PHASE SECTOR CABINET FOUNDATION DETAIL



Notes:

- 1" PVC conduit sleeve through foundation for grounding leads
- All rebar to be #5
- Top of foundation should be exposed 3 to 6 inches above ground level.
- Concrete shall have a minimum compression strength of 3500 PSI
- All reinforcing shall be tied as one unit.
- Chamfer all exposed concrete edges 1 inch
- Remove all organic material under foundation
- Minimum of 3 inches of concrete over reinforcing steel

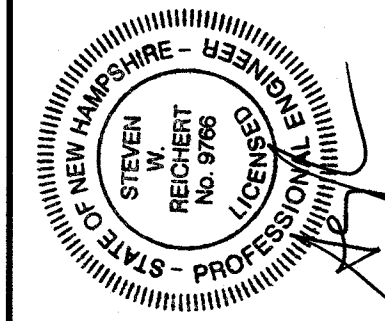
20



NTS

1. INFORMATION SHOWN ON THIS PLAN IS COMPILED FROM INFORMATION PROVIDED BY INDIVIDUAL UTILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EACH OF THE UTILITIES TO ENSURE FACILITIES PLACED UNDER THE ROADWAY MEETS EACH UTILITY'S SPECIFICATIONS.

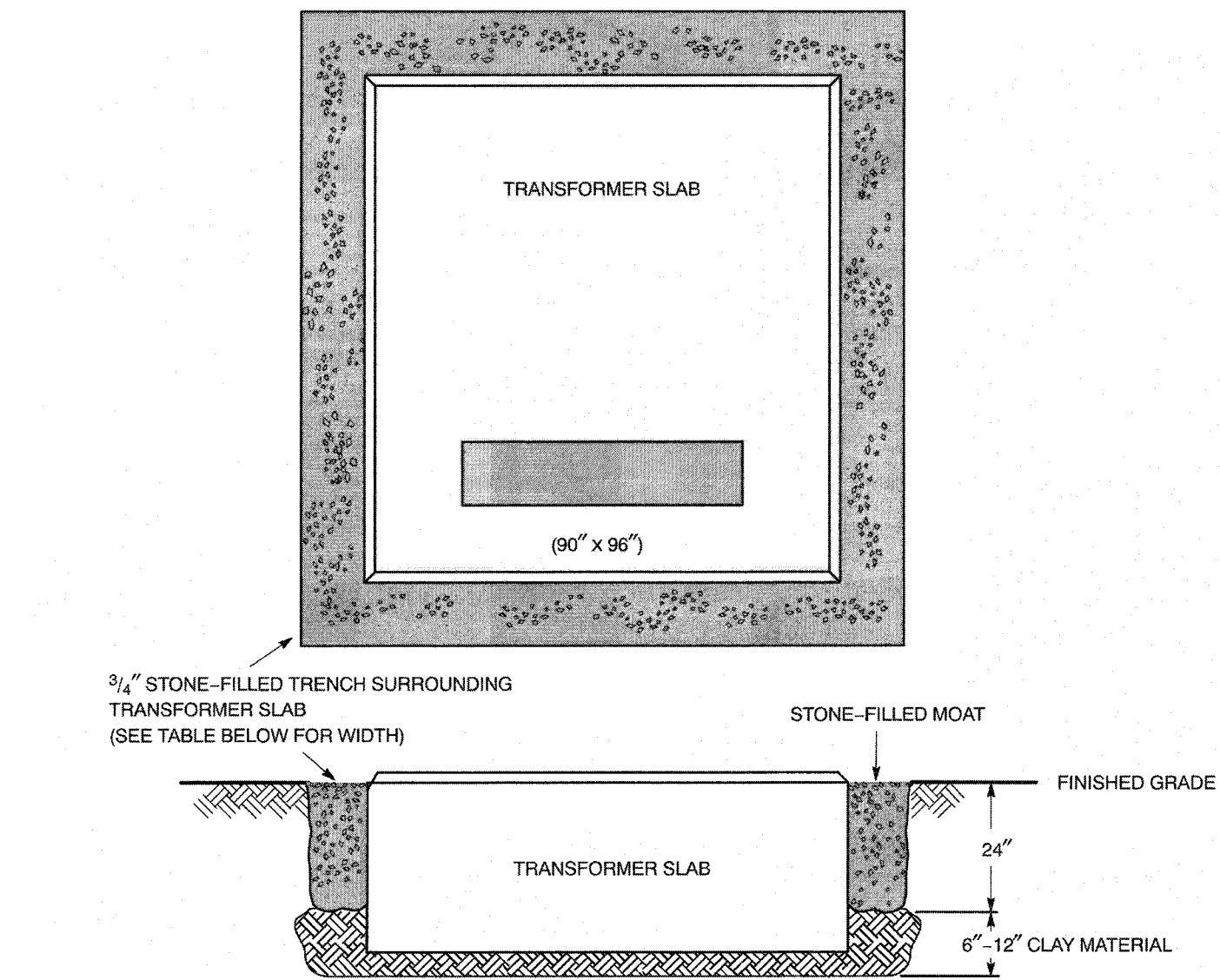
**X-A000(565)/14837 – MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING**

[illegible]

TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

**SOUTH STREET
IMPROVEMENT PROJECT**

SCALE: <i>N.T.S.</i>	JOB NO. <i>07-0171</i>
DATE: <i>JAN 2016</i>	DWG. <i>D6</i>



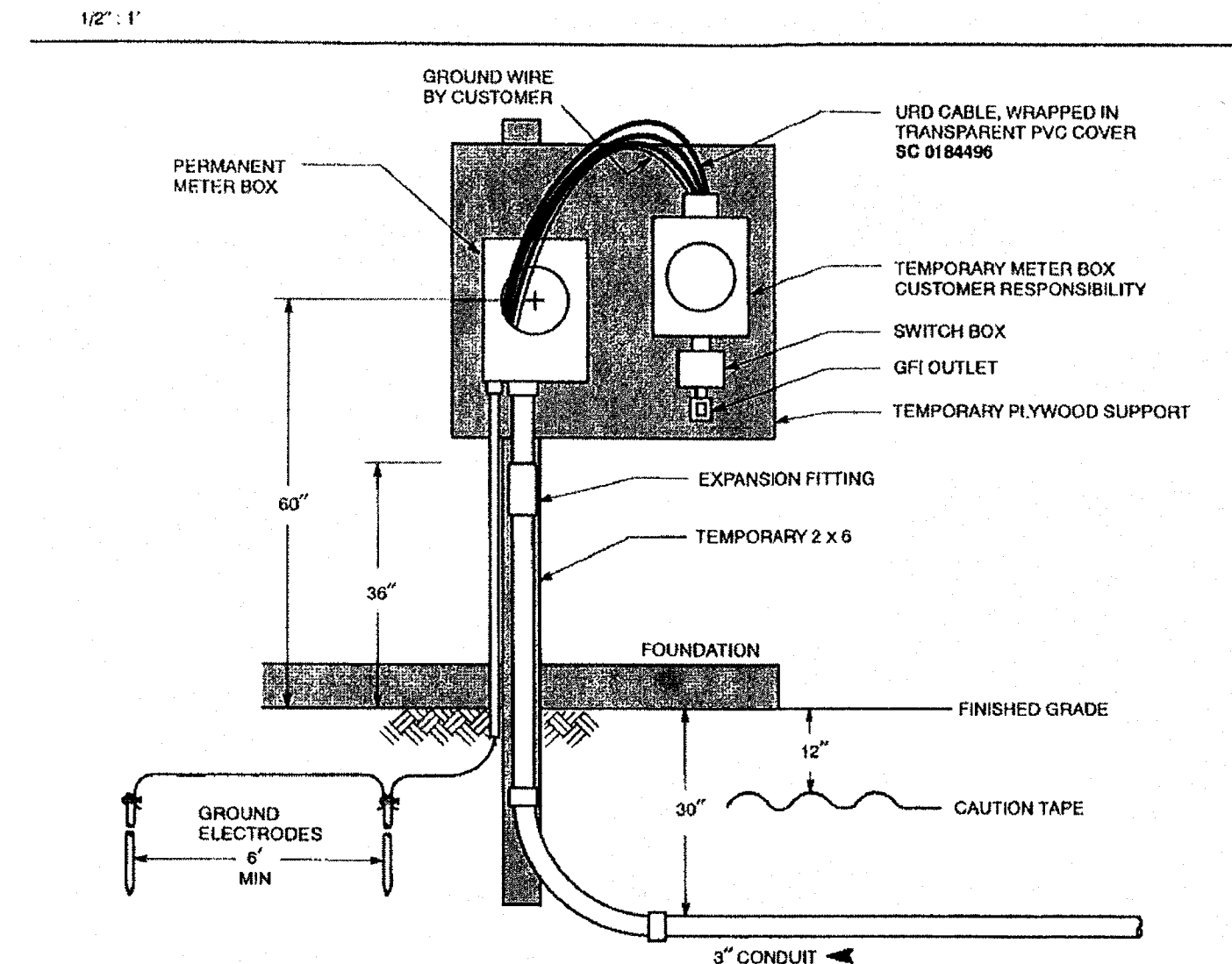
Notes

- To calculate dimension of the stone-filled moat:
1. Convert gallons of oil in the transformer to cubic feet: Divide gallons by 7.48 to get cubic feet of oil.
 2. Divide this number by 0.35 to determine the volume of stone-filled moat required.
 3. From the table below select the width necessary to contain the oil.
 4. In environmentally sensitive areas, seal all conduits. See DTR 44.353.
 5. Refer to DSEM Section 06.32 for when an oil detention moat should be used.

Volume in Cubic Feet of 24" Deep Stone-Filled Moat

Width of Moat (Feet)	Slab Dimensions in Inches		
	66 x 50	80 x 92	90 x 96
1	47	65	70
2	109	147	156
3	188	244	258

ORIGINAL	OIL DETENTION FOR PAD-MOUNTED TRANSFORMERS			NH
8/5/03				
APPROVED				
7/8/10				
2/1/11	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 58.311	2



CUSTOMER RESPONSIBILITY

1. The meter mounting device shall be installed approximately 5 feet above the final grade except where specifically approved otherwise by the Company. It shall be plumb level and attached to the finished exterior of the building with rust-resistant screws extending through the finish and into the sheathing.
2. Furnish, install, and connect NEC approved ground electrodes.
3. Furnish and install service entrance cable from meter mounting device to switch box.
4. Furnish and install Schedule 40 PVC conduit except as noted. Install caution tape 12 inches below grade. Provide a rigid steel elbow.
5. Equipment and installation must comply with the latest edition of the National Electrical Code (NEC) and all local codes. Expansion joint in conduit shall comply with NEC 300-7(b).
6. For services in excess of 200 feet servicing homes larger than 3,000 square feet, parallel 3-inch conduits shall be installed to a below-ground service enclosure located no more than 10 feet from the meter mounting device. A single 3-inch conduit from the service enclosure to the meter mounting device is sufficient, see DTR 54.215.
7. For services with any elevation change, PSNH may require a service enclosure located no more than ten feet from meter mounting device.

COMPANY RESPONSIBILITY

1. Furnish meter mounting device (permanent service only). Furnish caution tape.
2. Furnish and install cable and meter.
3. Attach 2 1/2" x 2 1/2" adhesive-backed signs: "WARNING, UNDERGROUND CABLE" and 3" x 5" "ELECTRIC SERVICE IN CONDUIT". See MAT L-013.
4. Attach lettering to identify the source. See DTR Section 43.

ORIGINAL	TEMPORARY/PERMANENT UNDERGROUND SERVICE			NH
1/10/10	400 AMP & BELOW			
APPROVED				
4/11/11				
2/1/11	NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 54.116	3

SERVICE TRENCH - By Customer

The trench shall be in as direct a line as possible without reverse bends from the distribution facility to the customer service entrance. In order to minimize cable pulling forces, no more than two bends (not including riser at house or pole) exceeding a total combined change of 45 degrees shall be permitted.

1. Trench shall be of such depth to accommodate 30 inches minimum cover for service cables in conduit.
2. In order to prevent the conduit from being pulled out of the meter box, conduit shall be installed on virgin or well tamped soil. Trench bottom shall be undisturbed or relatively smooth earth, well tamped, and free of any debris that may be detrimental to the conduit.
3. Conduit in the trench should have a 4-inch-per-100 feet downward pitch toward the distribution facility, if physically possible. (This provides drainage away from the service entrance, and prevents stagnant water in the duct.)
4. Backfill shall not contain frozen material or stones larger than 2 inches in maximum dimension. Care shall be exercised to avoid damage to conduit during backfilling. Backfill shall be compacted, and shall be completed before the Company schedules cable installation.
5. When required, coordination with telephone, cable TV, or other utilities is the Customer's responsibility.

CONDUIT - By Customer

Standard conduit shall be minimum 3-inch diameter, rigid PVC, heavy wall, sunlight resistant (8 percent - 7 percent titanium dioxide by weight), Schedule 40 as per ANSI/NEMA TC 2-2003.

1. All 90 degree sweeps will be made using rigid galvanized steel with a minimum radius of 24 inches for three inch, 36 inches for four inch, and 48 inches for five inch.
2. Conduit should cross paved areas at approximately 90 degrees.
3. A 1/4-inch-diameter nylon pull rope, including 10 feet of slack, shall be installed in the conduit. Secure the pull line to a plastic conduit plug (e.g., SC 0176161 for 3-inch diameter), at each end of the conduit run. Plugged ends of the conduit shall be left accessible.

SERVICE FROM POLE - If service is from an overhead system, a grounded 90 degree galvanized steel bend shall be installed at the pole. See DTR 12.057.

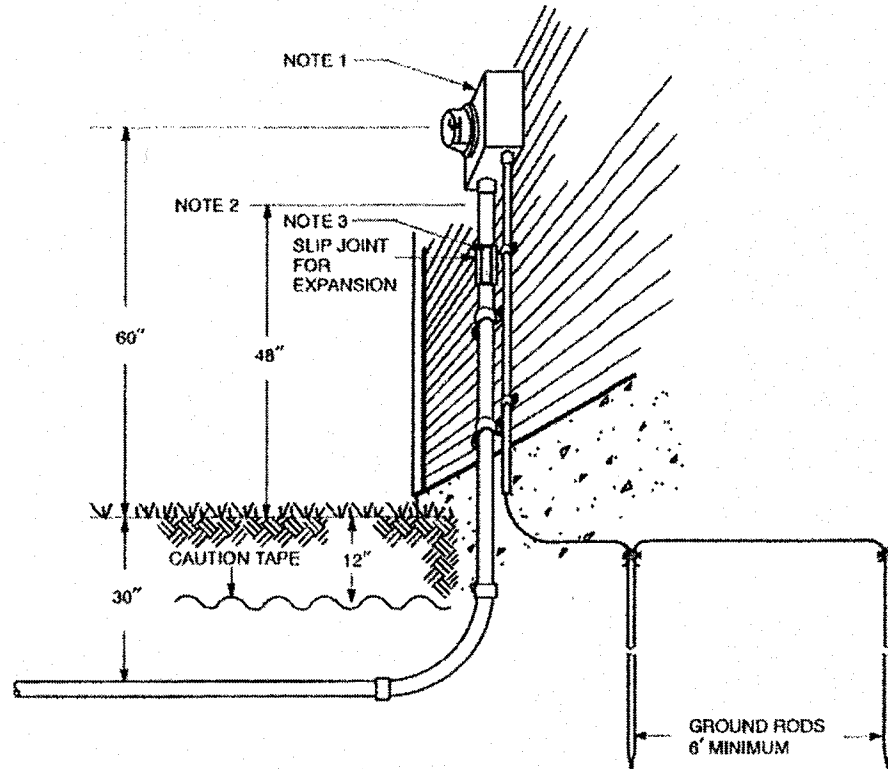
SERVICE FROM HANDHOLE/TRANSFORMER - Extend conduit to distribution facility and mate to previously installed 10-foot conduit stub. Tie pull lines, slide conduit sleeve over both ends and secure with conduit cement. See DTR 54.203.

CAUTION - Customer shall not enter any Company structure because it could be energized.

LIMITATIONS - In the event that a cable cannot be successfully pulled through the completed conduit system due to construction, it will be the contractors responsibility to locate and repair the involved conduit. The contractor will be responsible for all resulting expenses.

COMPANY CONSIDERATIONS - Services in conduit shall be identified at the transformer or handhole with a brass "SVC IN CONDUIT" tag. To aid troubleshooting, conduit service shall be clearly designated on mapping records.

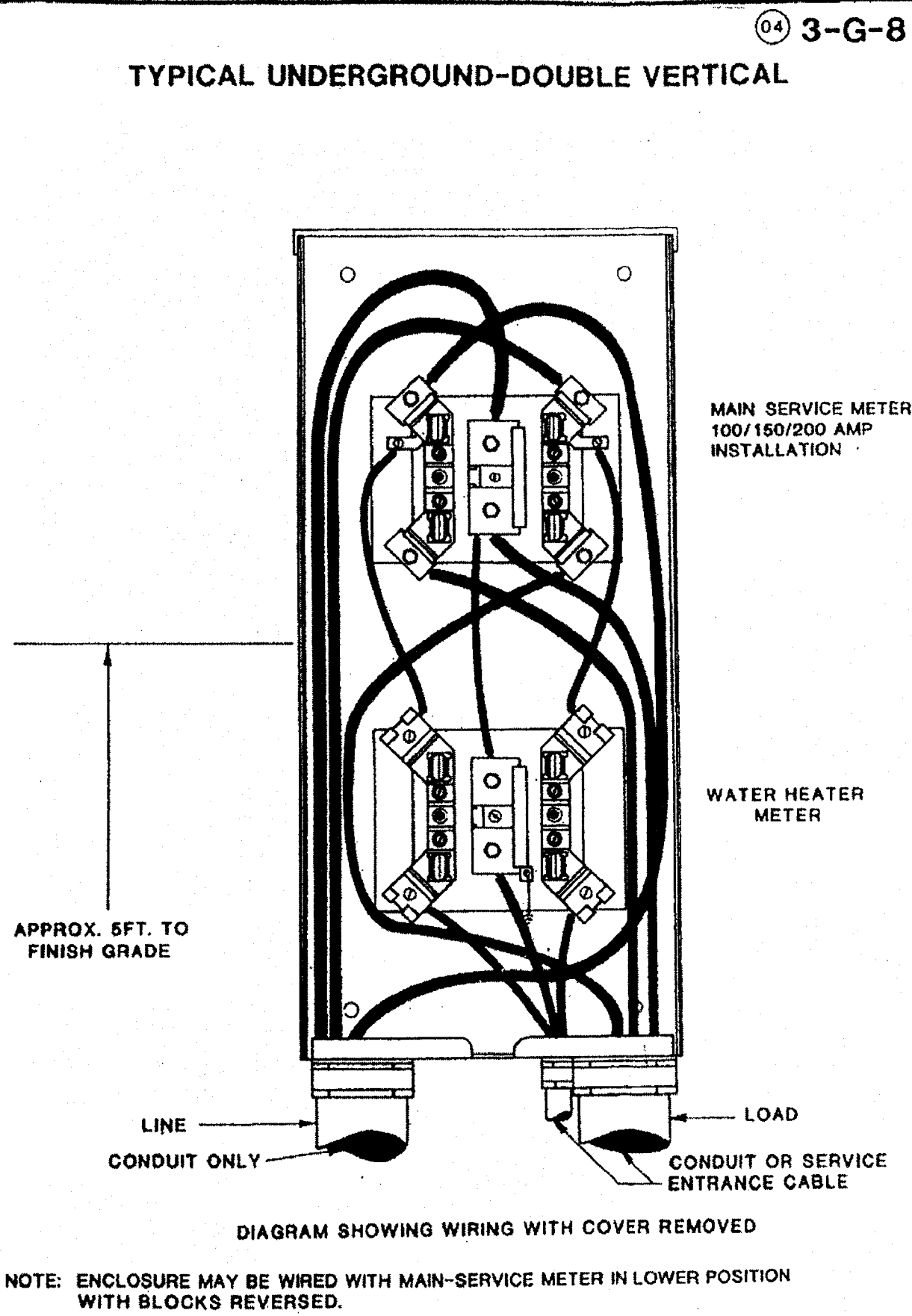
ORIGINAL	SERVICES IN CONDUIT 600 VOLT AND BELOW			NH
12/1/11				
APPROVED				
2/1/11				
2/1/11	NORTHEAST UTILITIES	DESIGN & APPLICATION STANDARD	DTR 54.109	23



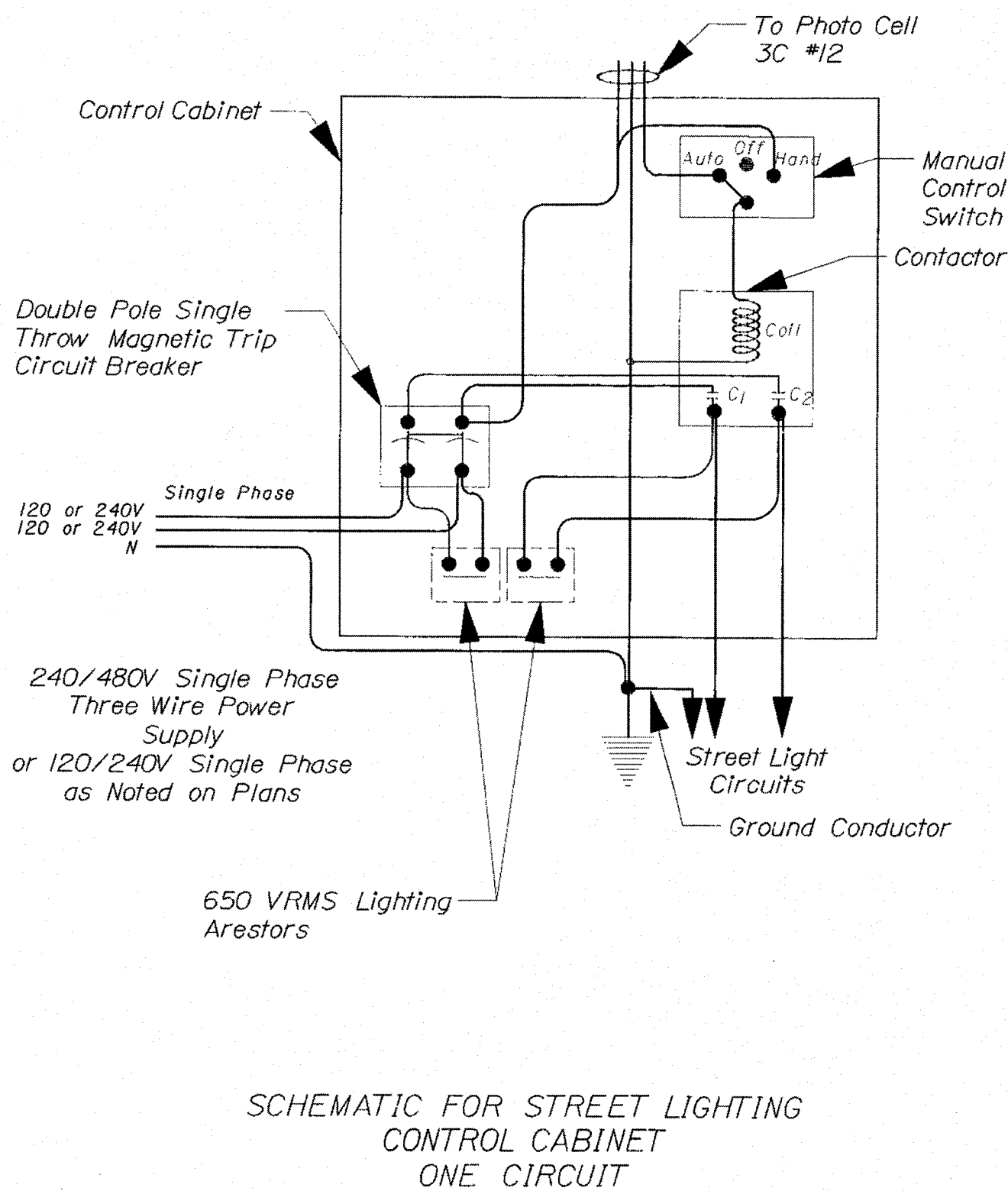
Notes

1. Set meter socket plumb (by Customer).
2. Attach 2 1/2" x 2 1/2" adhesive backed signs: "WARNING, UNDERGROUND CABLE" and 3" x 5" "ELECTRIC SERVICE IN CONDUIT". See SPC's L-019.01 and L-014.01.
3. Attach lettering to identify the source. See DTR 43.061 and DTR 43.062 - Note 3.
4. Furnish standard meter mounting device (permanent service only). Furnish caution tape.

ORIGINAL	SERVICES IN CONDUIT 600 VOLT AND BELOW			NH
12/1/11				
APPROVED				
2/1/11				
2/1/11	NORTHEAST UTILITIES	DESIGN & APPLICATION STANDARD	DTR 54.110	24



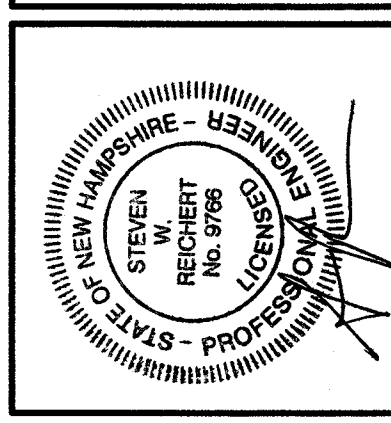
PSNH	METER STANDARD		ISSUE	DATE
				5-95
				3-85
				12-84
			ORIGINAL	12-83



X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

		ISSUED FOR CONSTRUCTION	
1	1/14/16	NO.	DATE
		REVISION	
		DESIGNED:	CHECKED:
		ELC/MEH	DAL/XMG
			APPROVED:
			SWR

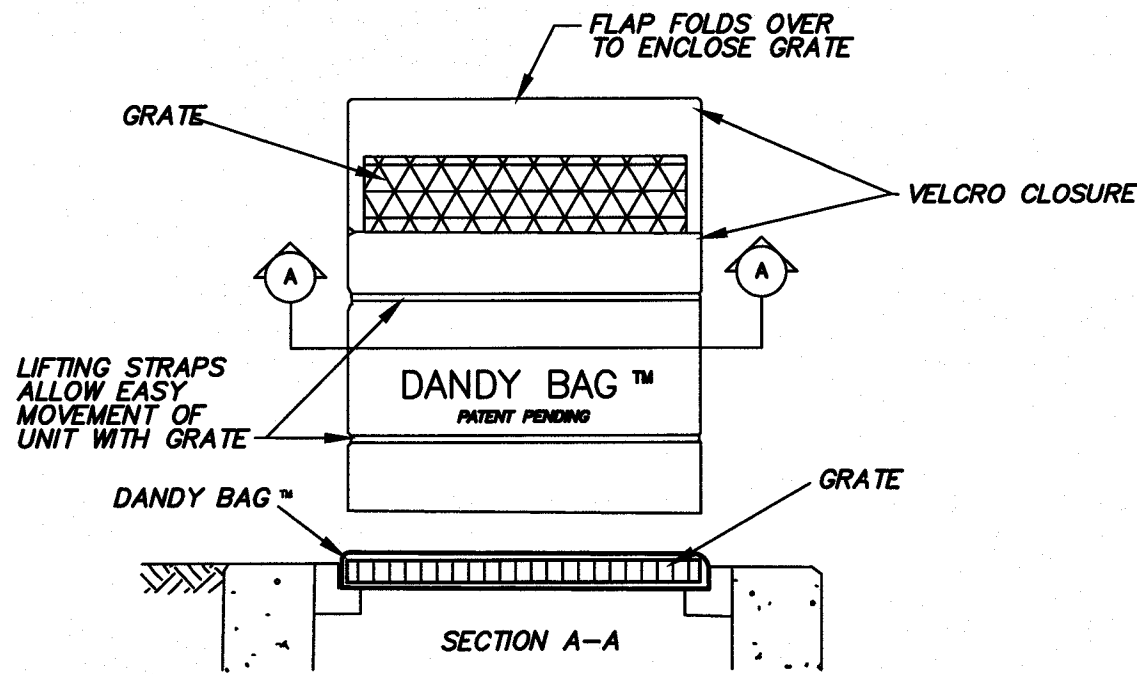
CLD CONSULTING ENGINEERS Inc.
540 Commercial Street-Manchester, NH 03101
(603) 668-8223-Fax: (603) 668-8802
clde@cldeengineers.com www.cldeengineers.com
Moine-New Hampshire-Vermont



TOWN OF MILFORD
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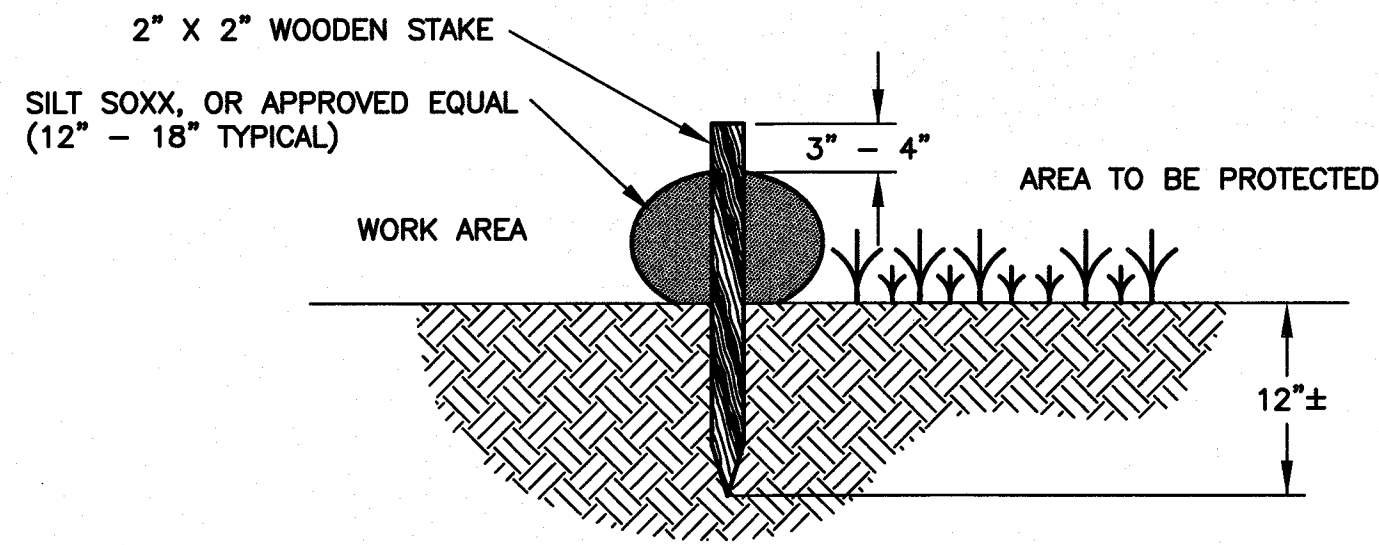
SOUTH STREET IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
UTILITY DETAILS

SCALE:	JOB NO.
N.T.S.	07-0171
DATE:	DWG.
JAN 2016	D7



INSTALLATION:
STAND GRATE ON END. PLACE DANDY BAG OVER GRATE.
ROLL GRATE OVER SO THAT OPEN END IS UP.
PULL UP SACK.
TUCK FLAP IN FREE VELCRO STRIPS TOGETHER. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT WORK PROPERLY.
HOLDING HANDLES. CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME.
MAINTENANCE:
WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.
(CONTACT DANDY PRODUCTS INC. 1-800-591-2284)

1 Dandy Bag N.T.S.
D6



MAINTENANCE:

1. SILT SOXX SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON SILT SOXX SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE SOXX, THE SOXX SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE SOXX HAVE BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

2 SILT SOXX SECTION N.T.S.
D6
NOTE: STAKE SILT SOXX, OR APPROVED EQUAL, AT 10 FT. SPACING

CONSTRUCTION SEQUENCE NOTES:

1. INSTALL HAY BALE BARRIERS, DANDY BAGS, AND SILT SOXX IN LOCATIONS SHOWN ON PLANS AND AS NECESSARY. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATION. PREPARE S.C.S. STABILIZED CONSTRUCTION ENTRANCE IN SUITABLE LOCATION.
2. INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A DAILY BASIS.
3. DAILY OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
4. THE WORK AREA SHALL BE GRADED, SHAPED AND OTHERWISE DRAINED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE LIMITS OF THE WORK AREA. SILT SOXX, HAY BALES AND/OR TEMPORARY BERMS WILL BE NECESSARY TO ACCOMPLISH THIS.
5. TOPSOIL SHALL BE STRIPPED AND STOCKPILED DURING DRY CONDITIONS AND WITHOUT COMPACTION. TOPSOIL SHALL BE STABILIZED AGAINST EROSION.
6. CUT AND CLEAR TREES, DISPOSE OF DEBRIS.
7. ROUGH GRADE SITE OR PHASED WORK AREA. DISTURBED AREAS SHALL BE STABILIZED UPON COMPLETION OF ROUGH GRADING PER THE EROSION CONTROL NOTES.
8. INSTALL DRAINAGE STRUCTURES AND CULVERTS. PLACE CATCH BASIN RIMS IN DANDY BAGS UNTIL ROADWAY AND PARKING AREAS ARE PAVED.
9. INSTALL ALL UNDERGROUND UTILITIES.
10. FINISH GRADING TO PREPARE FOR NEW PAVEMENT OR PAVEMENT OVERLAY, LOAMING AND SEEDING. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
11. FINISH PAVING ALL ROADWAY AREAS AND DRIVES.
12. INSTALL ALL SIGNS, FENCES AND OTHER SITE APPURTENANCES.
13. PLACE STRIPING.
14. PERMANENT SEEDING SHALL BE PERFORMED UPON COMPLETION OF DRIVE AND ROADWAY AREA PAVING.
15. COMPLETE PERMANENT SEEDING AND LANDSCAPING
16. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED AND HAVE A HEALTHY VEGETATIVE COVER.
17. CLEAN ALL DRAINAGE STRUCTURE SUMPS OF SEDIMENT AND DEBRIS (INCLUDES ALL STRUCTURES WITHIN THE LIMITS OF WORK)
18. DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY ADEQUATE USE OF WATER.

EROSION CONTROL NOTES:

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

1. INSTALLATION OF HAY BALE BARRIERS, DANDY BAGS, AND SILT SOXX SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA. PREFABRICATED SILT SOXX AND DANDY BAGS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
2. HAY BALE BARRIERS, DANDY BAGS, AND SILT SOXX SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY STAND OF VEGETATIVE COVER. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A DAILY BASIS AND AFTER EVERY RAINFALL.
3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
4. NO MORE THAN TWO ACRES OF LAND SHALL BE LEFT DISTURBED AT ANY ONE TIME. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.

STABILIZATION SHALL INCLUDE THE FOLLOWING, AT A MINIMUM:

- A.) INSTALLATION OF BASE COURSE GRAVELS (IN PAVED AREAS)
- B.) MIN. 85% VEGETATED GROWTH
- C.) INSTALLATION OF STONE OR RIP RAP MATERIAL (3" MIN. DEPTH)
- D.) PROPERLY INSTALLED EROSION CONTROL BLANKETS

5. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM INSTALLED WITH NOT LESS THAN 1.1 POUNDS OF SEED MIX PER 1,000 SQ. FT. SEED MIXTURE SHALL BE:

PERMANENT	
TALL FESCUE	0.45 LBS.
CREeping RED FESCUE	0.45 LBS.
BIRDSFOOT TREFOIL	0.20 LBS.
TEMPORARY	
ANNUAL RYEGRASS	1.10 LBS.

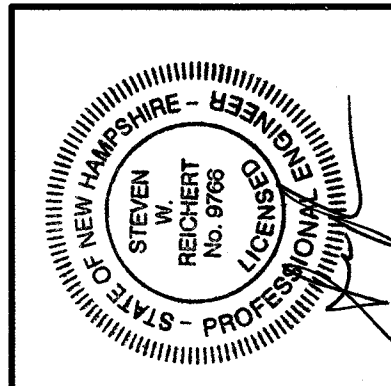
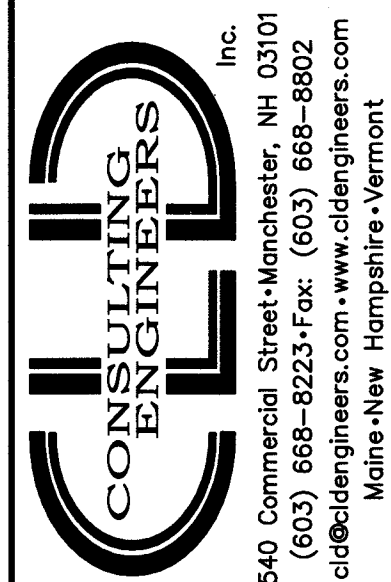
6. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING. A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS. PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. SEEDING PRACTICES SHALL COMPLY WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.

7. HAY MULCH OR JUTE MATTING SHALL BE USED WHERE INDICATED ON THE PLANS. A MINIMUM OF 1.5 TONS OF MULCH PER ACRE SHALL BE APPLIED. MULCH SHALL BE ANCHORED IN PLACE WHERE NECESSARY. JUTE MATTING SHALL BE LAID IN THE DIRECTION OF RUNOFF FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

8. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS, PLANT ANNUAL RYE GRASS PRIOR TO OCTOBER 15TH.

9. THE LAND AREA EXPOSED SHOULD BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME AND SHALL NOT REMAIN EXPOSED MORE THAN 60 DAYS FROM INITIAL DISTURBANCE.

ISSUED FOR CONSTRUCTION	REVISION	DESIGNED: ELC/MFH	CHECKED: DAL/KMG	APPROVED: SWR
1	1/14/16	NO. DATE	DRAWN: ELC/MFH	



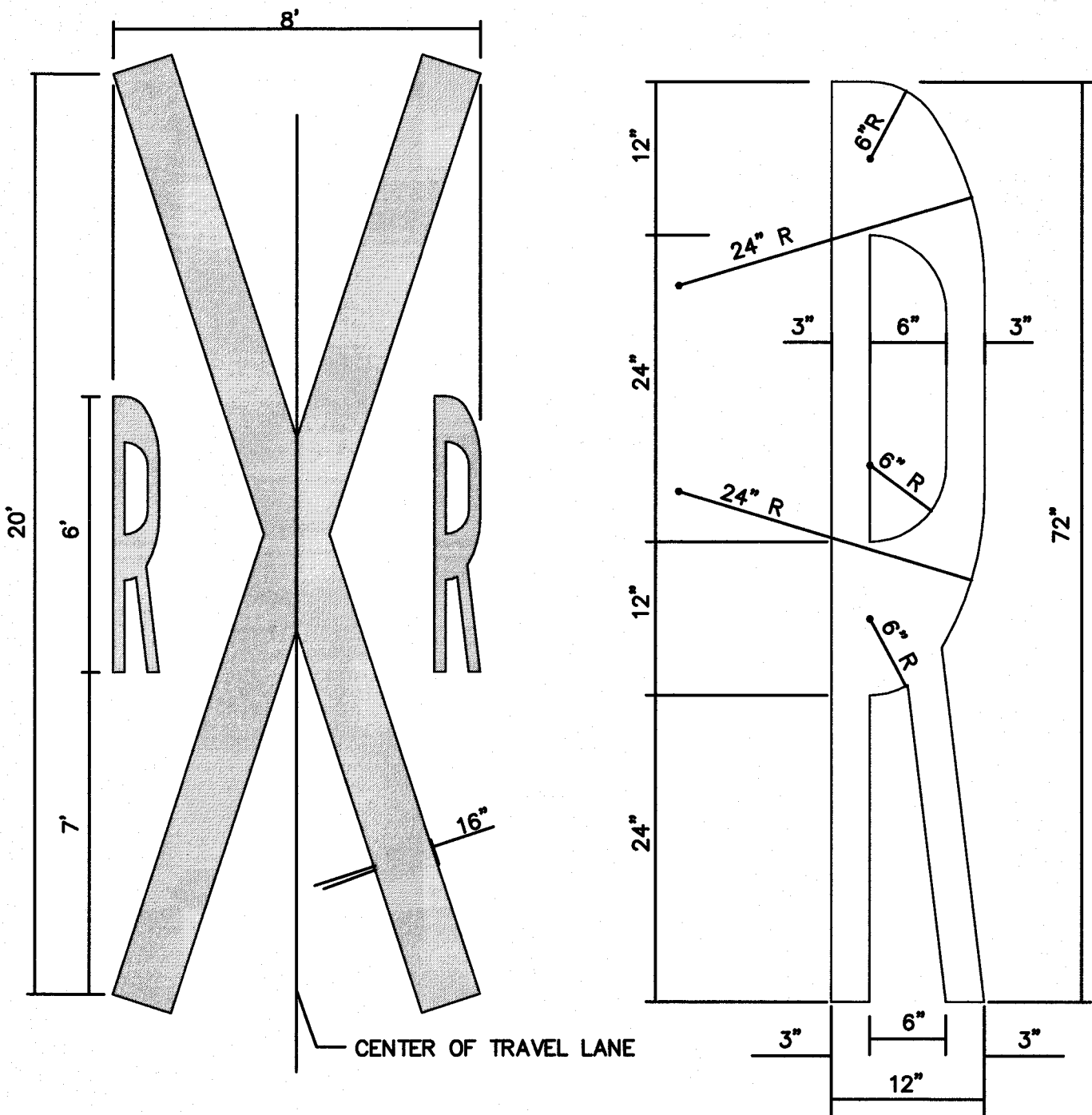
TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
EROSION CONTROL DETAILS

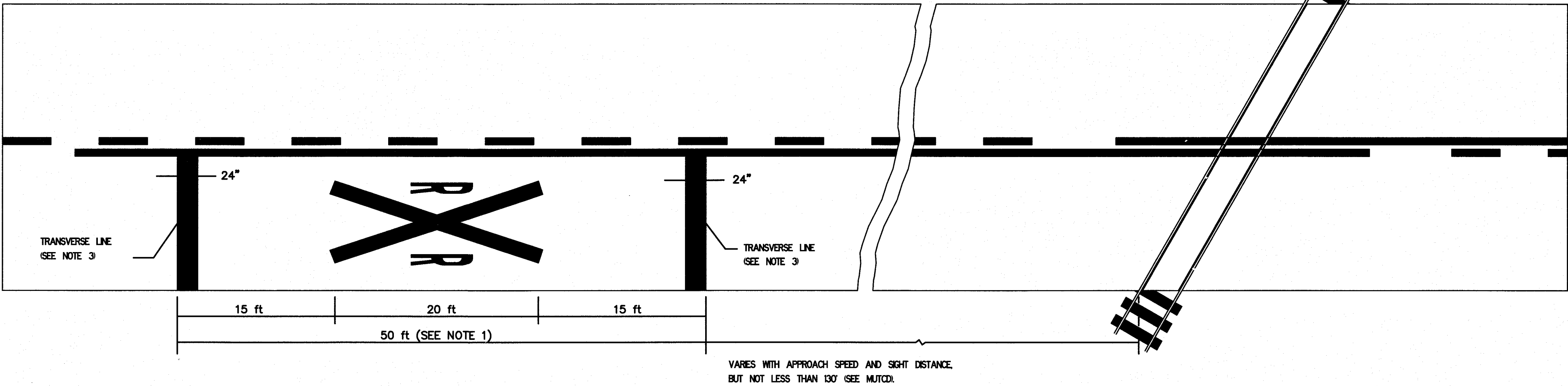
X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

SCALE: N.T.S.	JOB NO. 07-0171
DATE: JAN 2016	DWG. D8

PAY QUANTITIES FOR STANDARD (8 FT) LETTERS AND NUMERALS (SQUARE FEET)			
A	5.8	S	6.1
B	7.7	T	4.0
C	5.3	U	6.6
D	6.8	V	5.0
E	6.3	W	7.0
F	5.0	X	4.3
G	6.3	Y	4.2
H	6.6	Z	5.7
I	2.0	1	2.0
J	3.9	2	5.8
K	6.4	3	5.8
L	4.1	4	5.1
M	9.0	5	6.4
N	7.7	6	6.8
O	6.3	7	3.8
P	5.8	8	7.0
Q	6.7	9	6.8
R	6.8	0	6.3
		-	0.5



RAILROAD CROSSING SYMBOL
PAY QUANTITY = 63.6 ft (SEE NOTE 3)



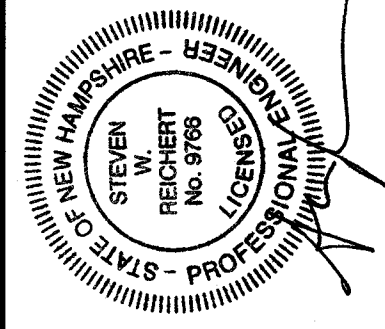
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSINGS

1. A PORTION OF THE PAVEMENT MARKING R/R SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1, NOT SHOWN).
2. ON MULTI-LANE ROADS THE TRANSVERSE LINES SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R/R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.
3. R/R SYMBOL WILL BE PAID FOR BY THE SQUARE FOOT, TRANSVERSE LINES AND STOP BARS (24" WIDE) WILL BE PAID FOR BY THE LINEAR FOOT.

X-A000(565)/14837 – MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

ISSUED FOR CONSTRUCTION	
NO.	DATE
1	1/14/16
REVISION	
DESIGNED:	CHECKED:
ELC/MFH	DAL/XMG
DRAWN:	APPROVED:
ELC/MFH	SWR

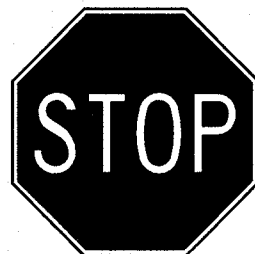
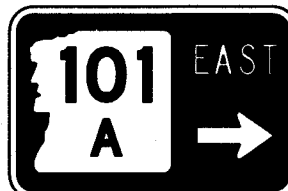

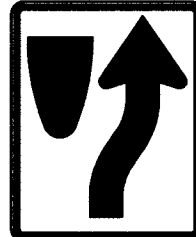
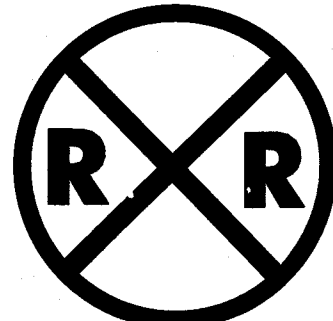
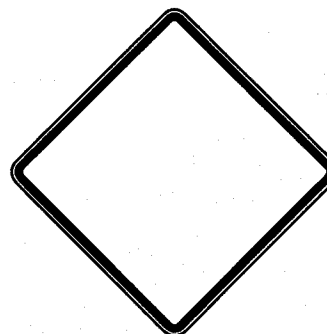







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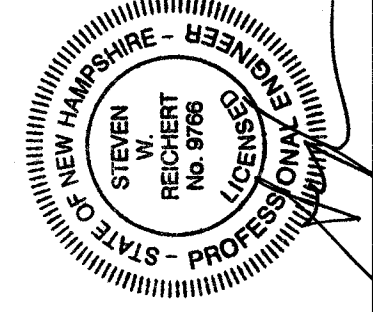


TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

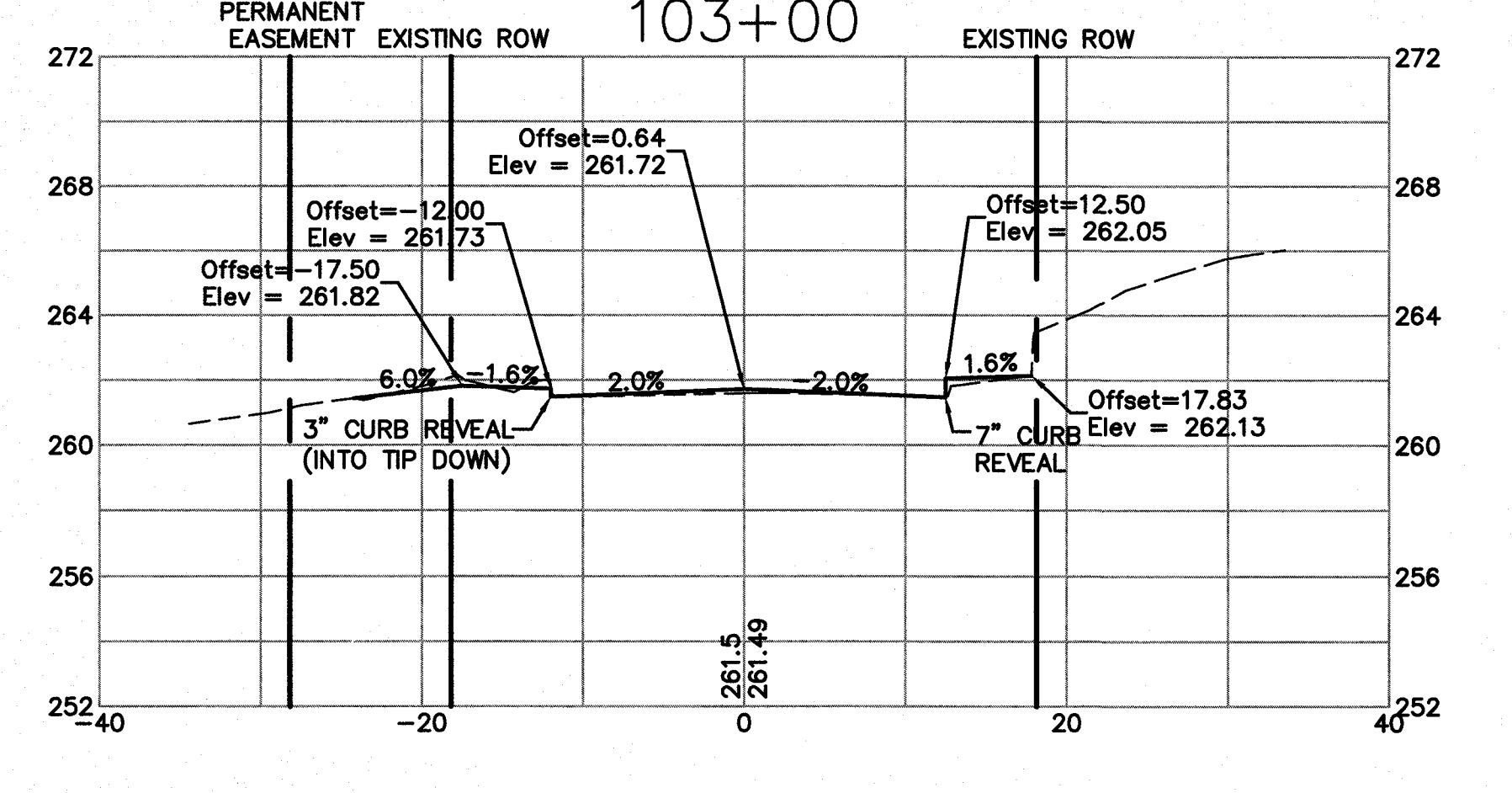
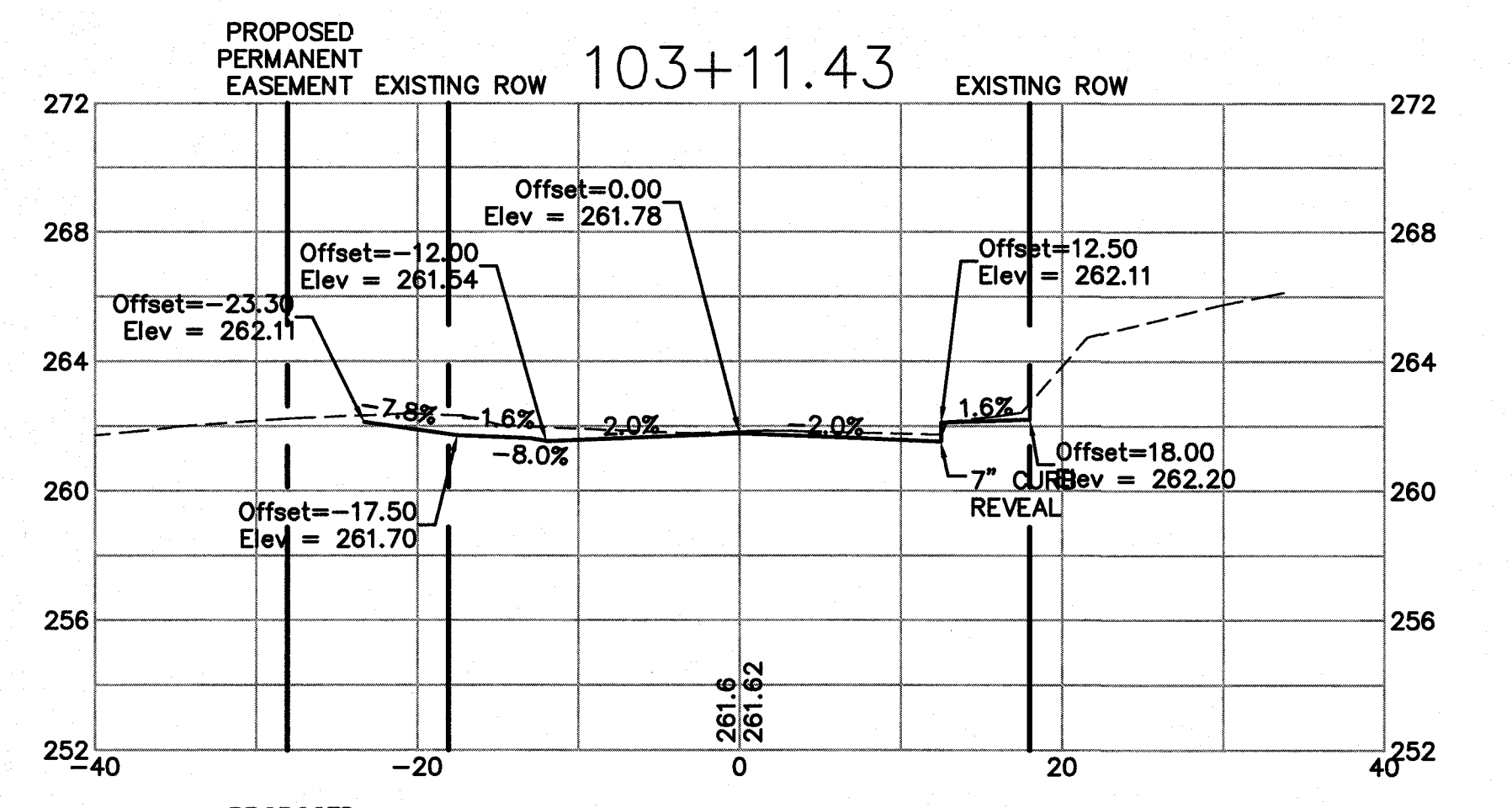
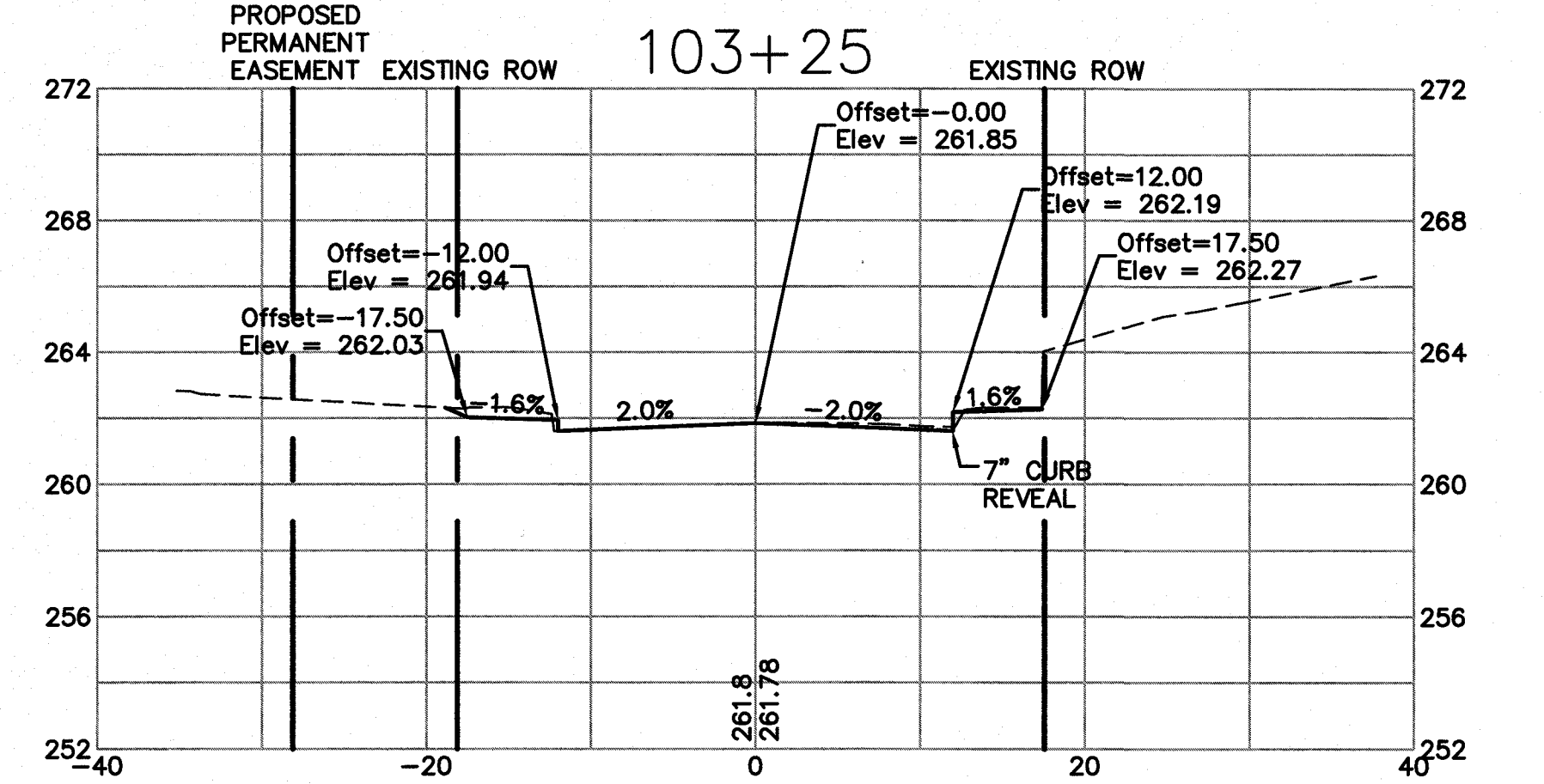
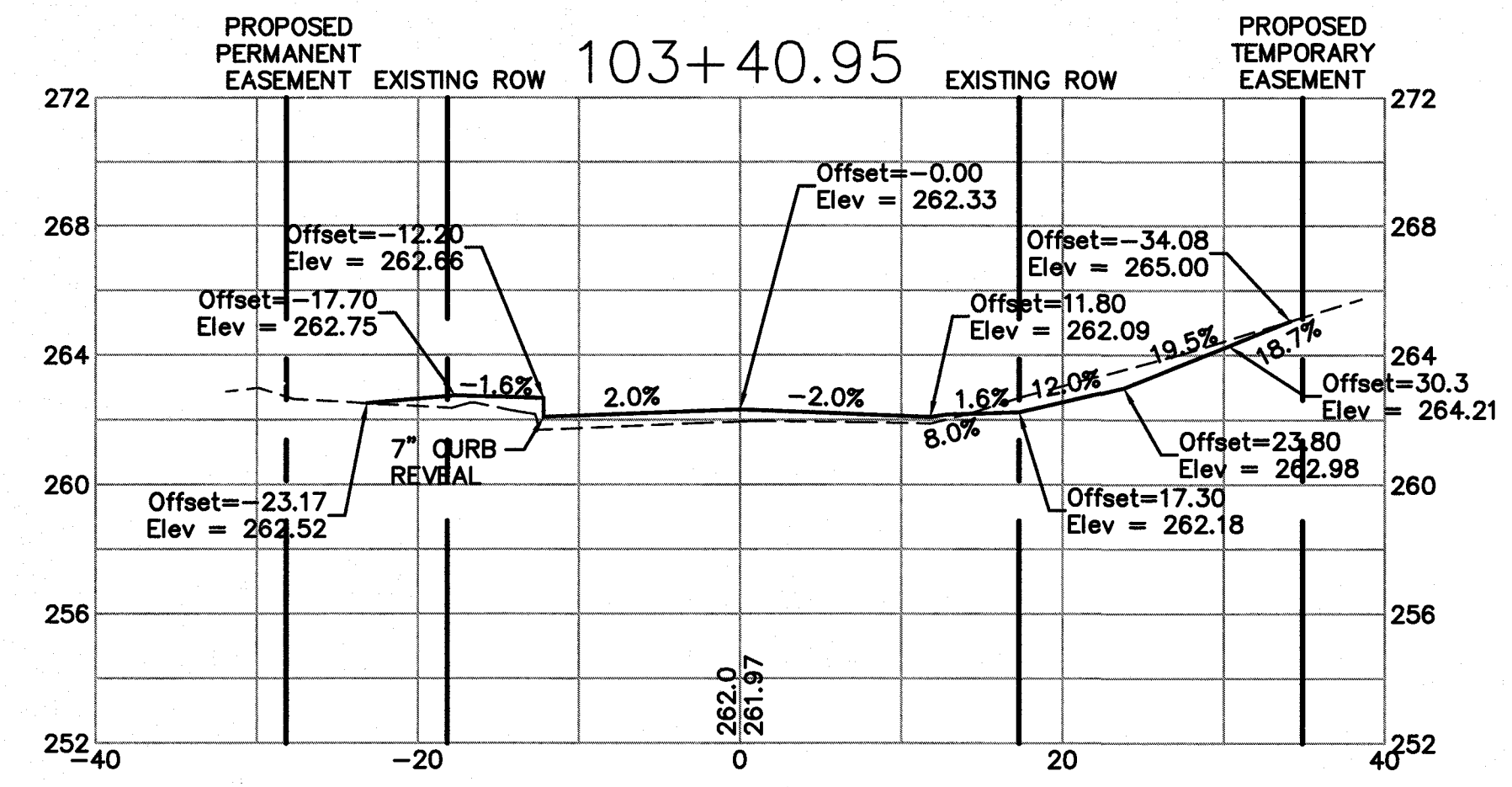
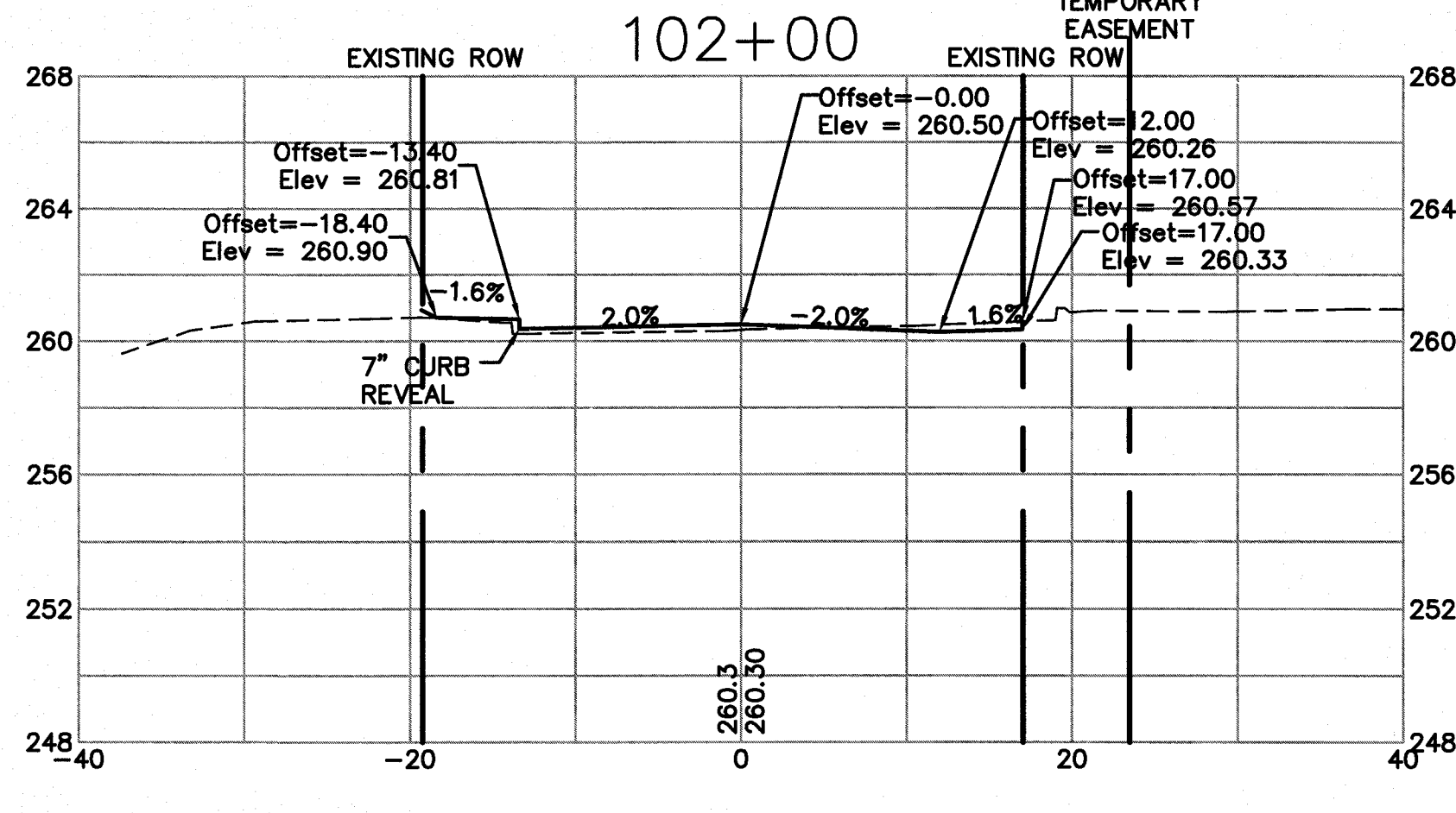
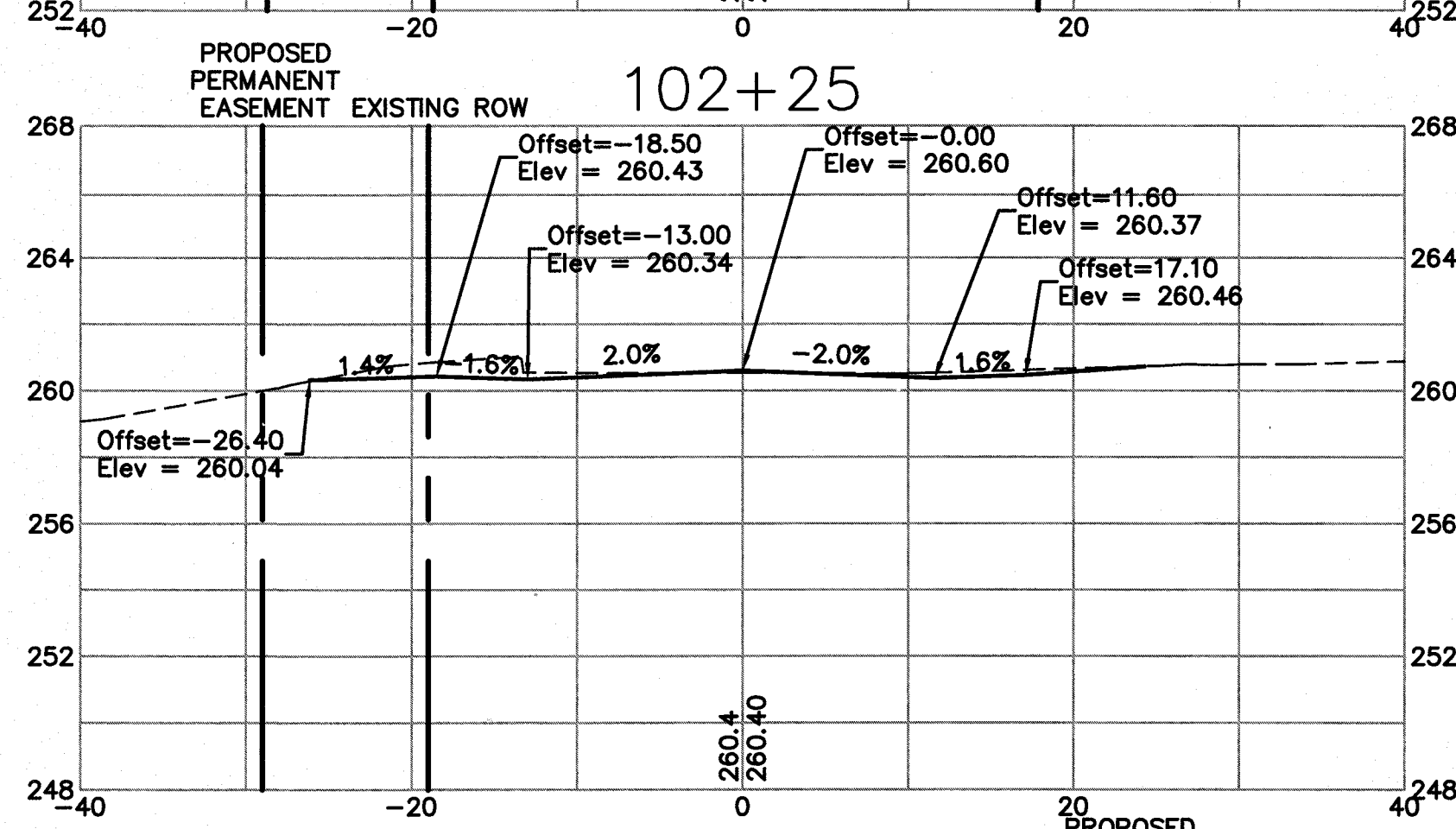
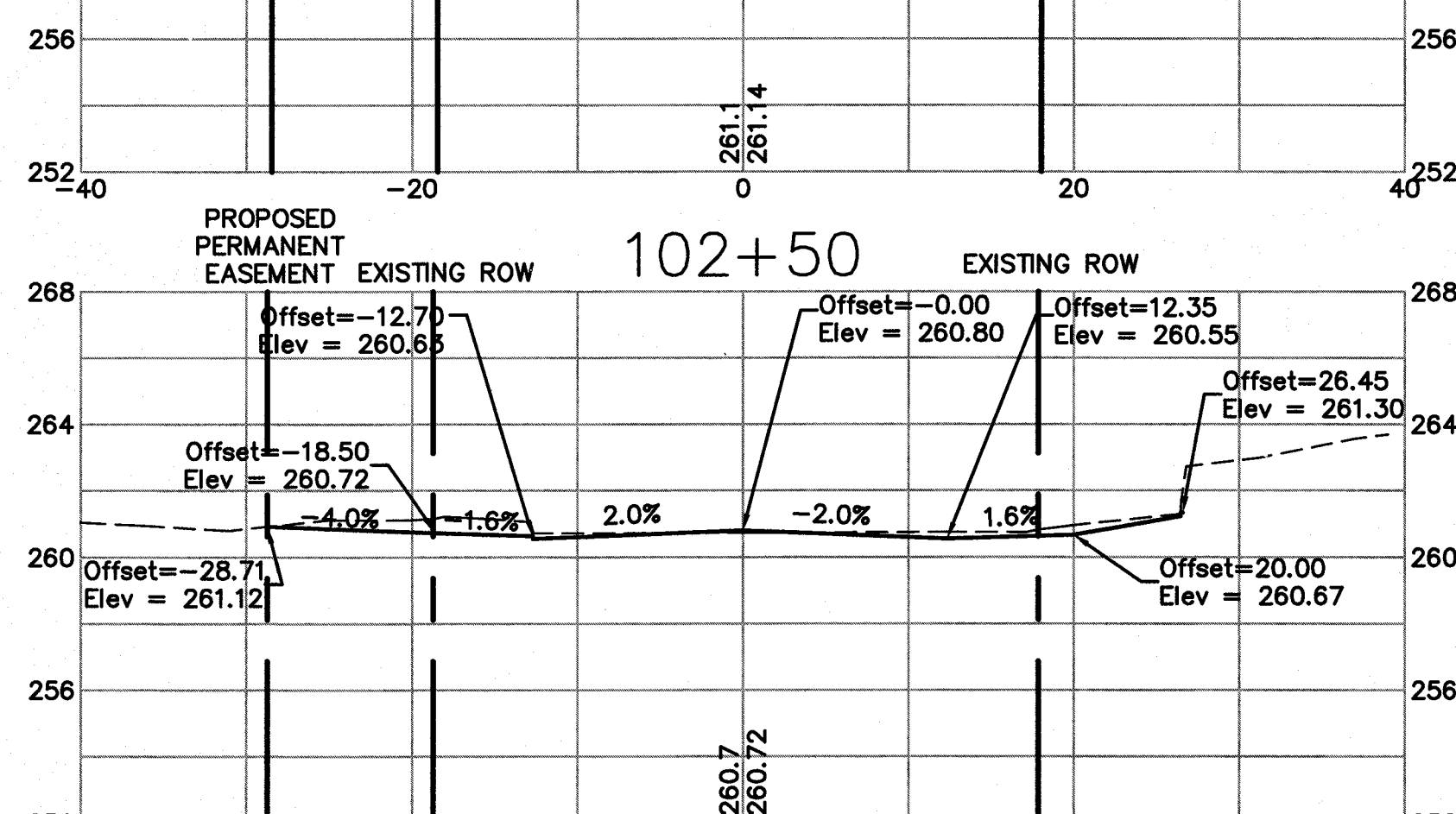
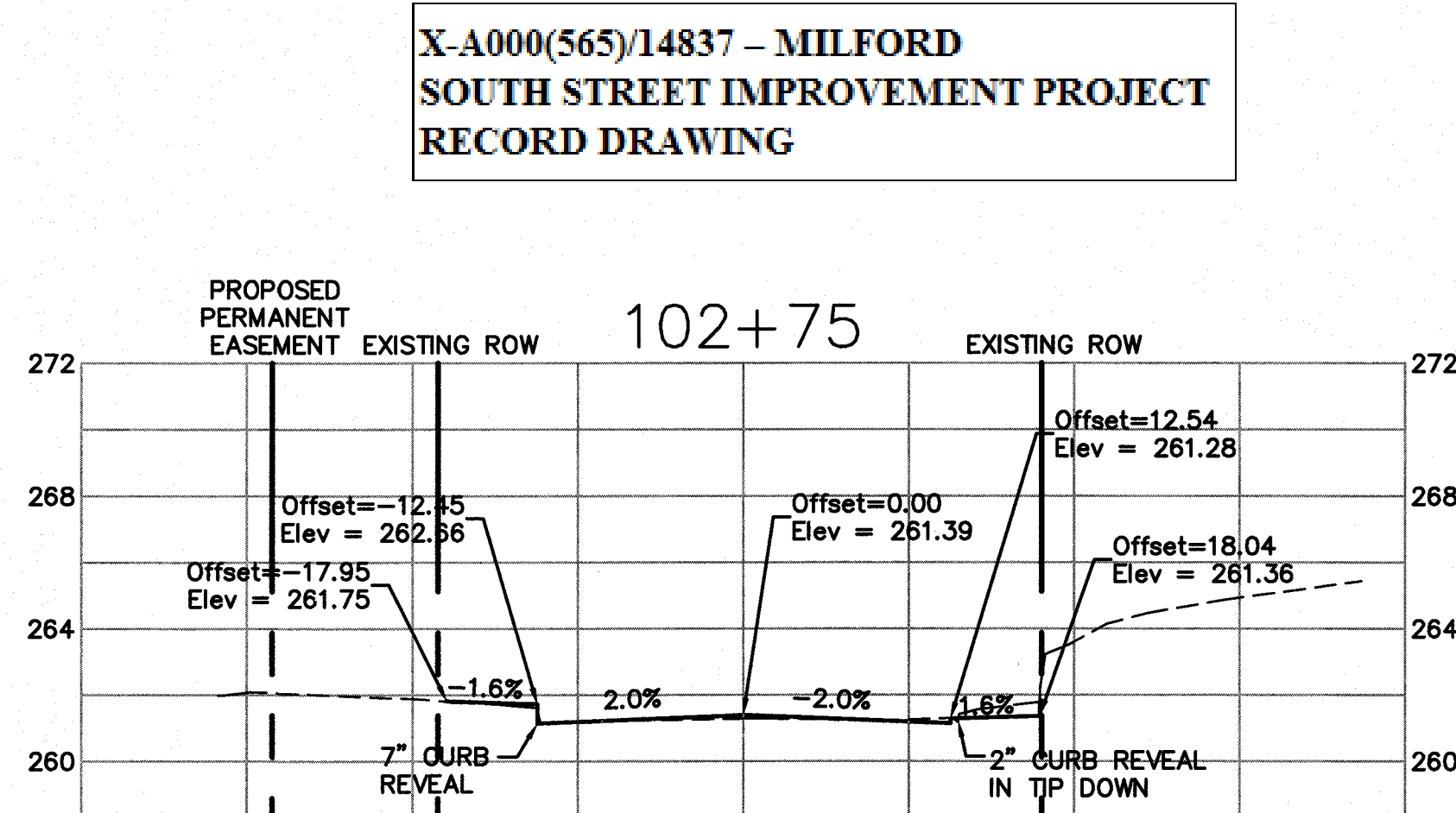
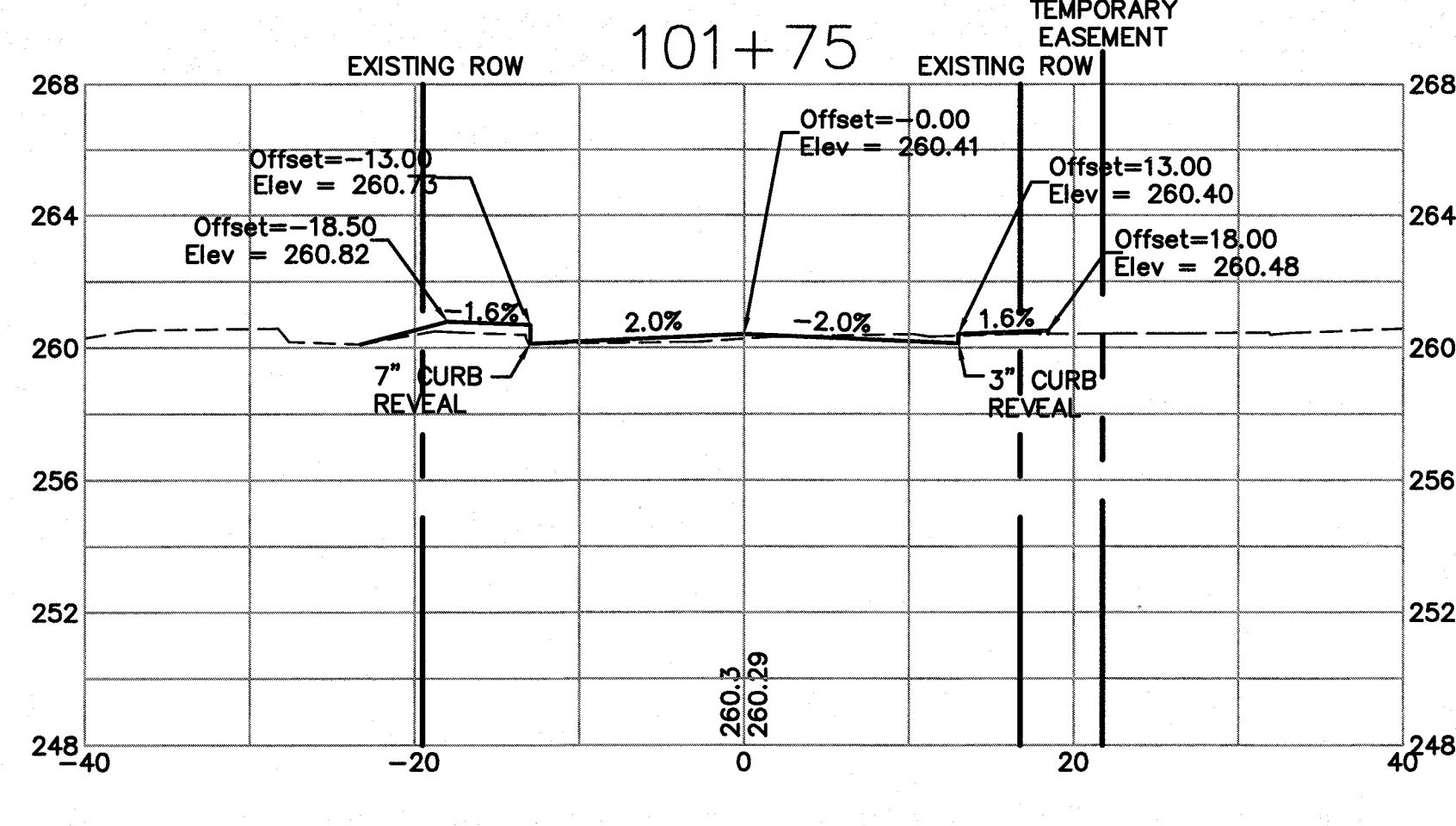
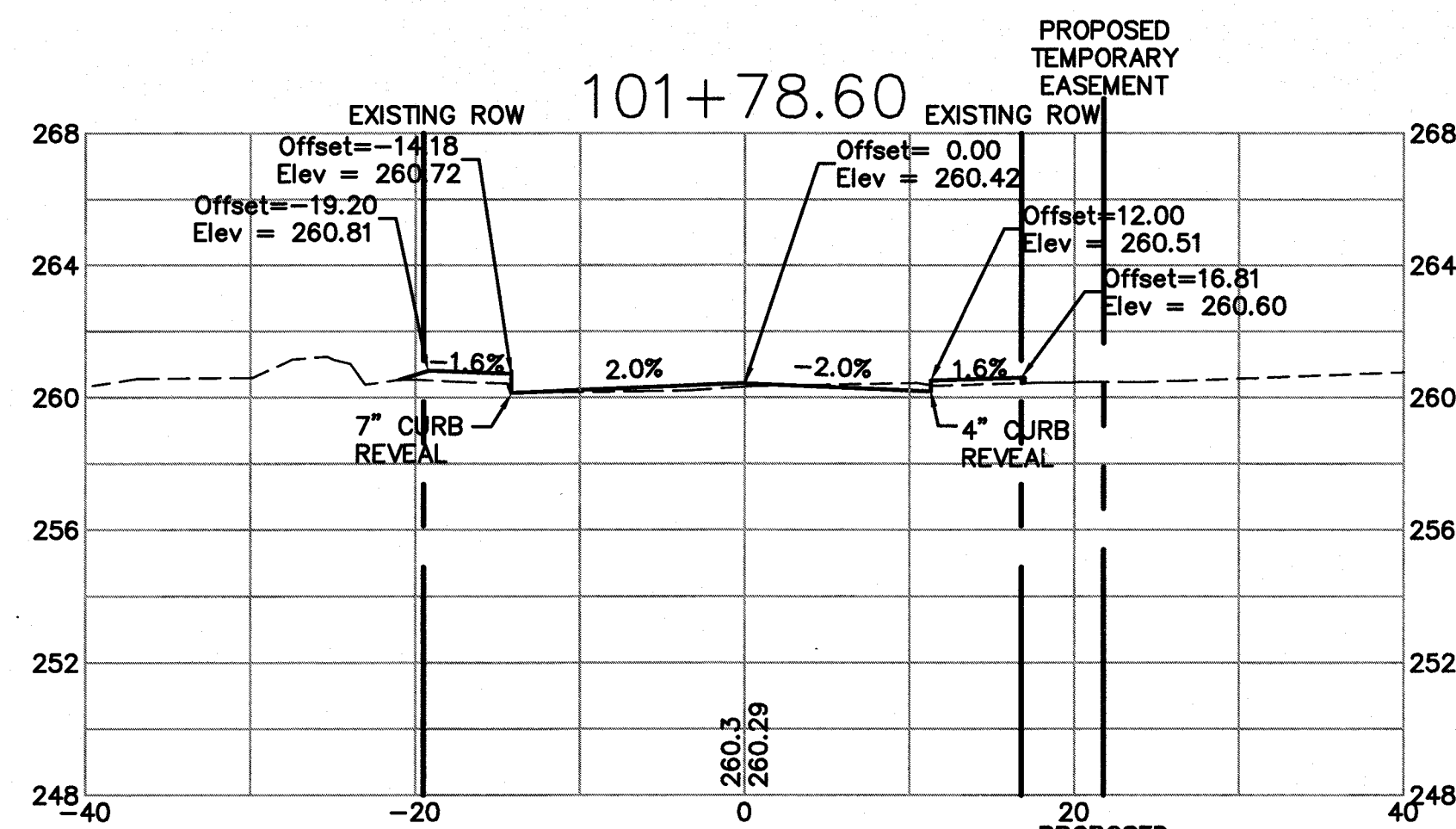
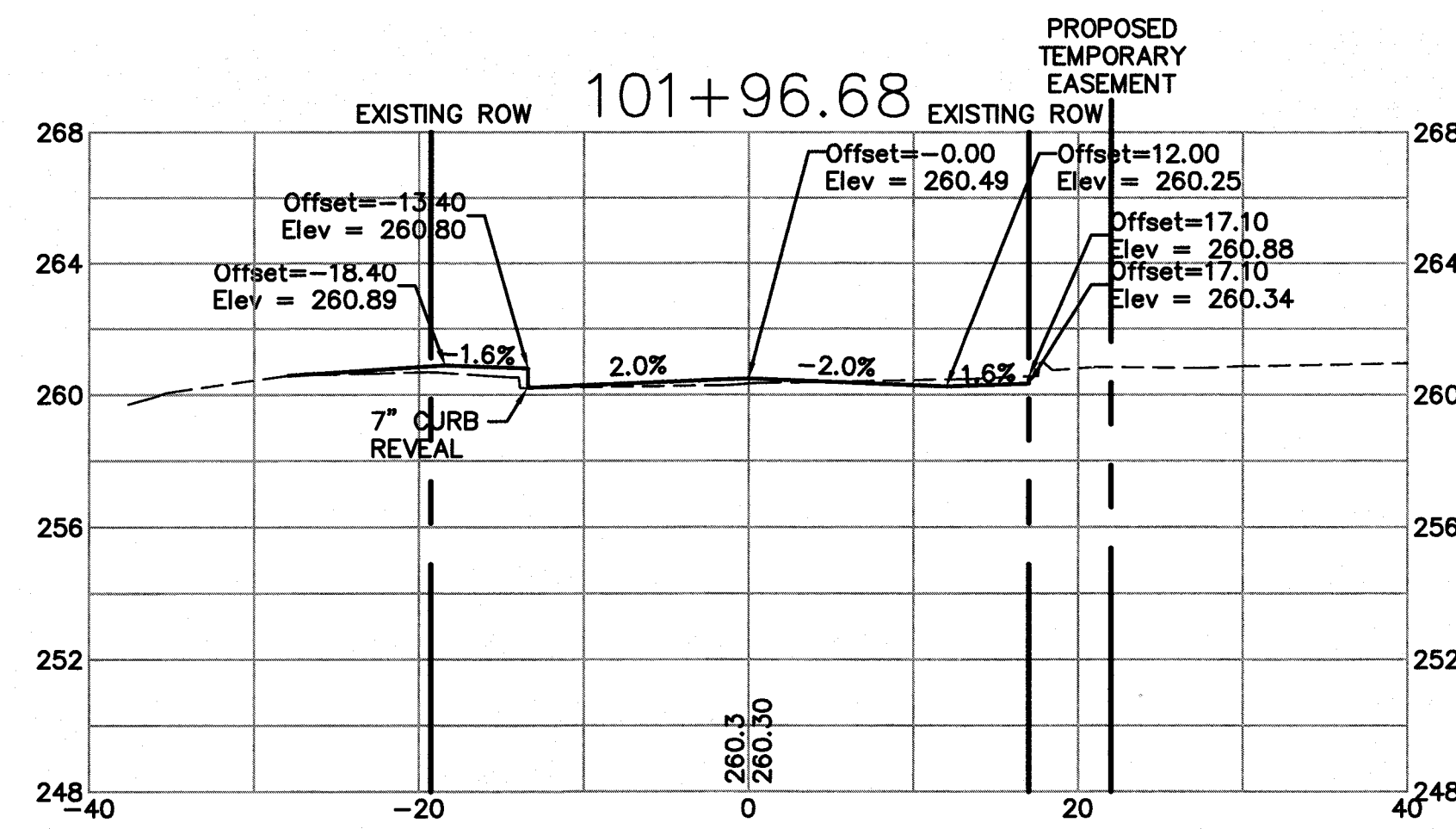
SOUTH STREET
IMPROVEMENT PROJECT
SOUTH STREET
MILFORD, NEW HAMPSHIRE
RAILROAD STRIPING
DETAILS

SCALE: N.T.S.	JOB NO. 07-0171
DATE: JAN 2016	DWG. D9

ITEM #	IDENT #	SIGN SIZE		TEXT	TEXT DIMENSIONS			SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.)		POSTS PER SIGN				REMARKS	ITEM #	IDENT #	SIGN SIZE		TEXT	TEXT DIMENSIONS			SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.)		POSTS PER SIGN				REMARKS				
		WIDTH (inch)	HEIGHT (inch)		LETTER HEIGHT (inch)							NOM AREA	NOM AREA	U-CHANNEL-GALV.	UTILITY POLE	SPAN WIRE	SIGNAL POST				WIDTH (inch)	HEIGHT (inch)		LETTER HEIGHT (inch)							NOM AREA	NOM AREA	U-CHANNEL-GALV.	UTILITY POLE	SPAN WIRE	SIGNAL POST					
					NAME	ST	CAPS																	NAME	ST	CAPS												NAME	ST	CAPS	
615.02	R1-1	30	30					10C			3	5.34	16.0	1				WHITE RED	615.05	M1-5	36	24		9C 9D	4C		9.9		1	6.00	6.00					WHITE BLACK GREEN					
615.03	W11-2	30	30								5	6.25	31.25	1				BLACK YELLOW	615.06	R4-7c	18	30							1	3.75	3.75	1					WHITE BLACK				
615.03	W10-1	15 in radius						7E			1	4.91	4.91	1				BLACK YELLOW	615.06	OM1-3	18	18							1	2.25	2.25					YELLOW					
615.03	R7-13	12	18					3C 3B 1.5C 1.5C	9.8		2	1.50	3.00	1				RED WHITE	615.06	W16-7pL	24	12							5	2	10					BLACK YELLOW					
615.03	R7-11	12	18					3C 3B 1.5C 1.5C	9.8		1	1.50	1.50	1				RED WHITE																							
615.05	D3-1	28	8		4D	3D					1	1.55	1.55					WHITE GREEN																							
615.05	D3-1	29	8		4D	3D					1	1.61	1.61					WHITE GREEN	<div>GENERAL NOTES</div> <div>1. REFER TO THE 2010 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PUBLISHED BY THE NHDOT.</div> <div>2. NOTE NEW REFLECTIVITY REQUIREMENTS IN THE 2010 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 718 AS PUBLISHED BY THE NHDOT.</div> <div>3. REFER TO THE 2010 STANDARD PLANS FOR ROAD CONSTRUCTION AS PUBLISHED BY THE NHDOT FOR EXACT DETAILS OF PERMANENT SIGNING STANDARDS AND NHDOT SPECIFICATIONS.</div> <div>4. REFER TO LATEST EDITION OF THE STANDARD HIGHWAY SIGN MANUAL AS PUBLISHED BY THE USDOT-FHWA FOR EXACT DETAILS OF BORDERS, ETC.</div> <div>5. ALL SIGN REMOVAL SHALL BE SUBSIDIARY TO OTHER WORK.</div> <div>X-A000(565)/14837 – MILFORD SOUTH STREET IMPROVEMENT PROJECT RECORD DRAWING</div>																						
615.05	D3-1	26	8		4D	3D					2	1.45	2.88					WHITE GREEN																							
615.05	D3-1	22	8		4D	3D					1	1.22	1.22					WHITE GREEN																							

ISSUED FOR CONSTRUCTION		1/14/16		REVISION		NO. DATE		DRAWN: RMG		DESIGNED: RML		CHECKED: SMR/KMG		APPROVED: SMR					
 Inc. 540 Commercial Street • Manchester, NH 03101 (603) 668-8223 • Fax: (603) 668-8902 cid@cdengineers.com • www.cdengineers.com Maine • New Hampshire • Vermont																			
CLIENT: TOWN OF MILFORD 1 UNION SQUARE MILFORD, NEW HAMPSHIRE 03055															SOUTH STREET IMPROVEMENT PROJECT MILFORD, NEW HAMPSHIRE SIGN SUMMARY SHEET				
SCALE: AS SHOWN					JOB NO. 07-0171					DATE: JAN 2016					DWG. D10				

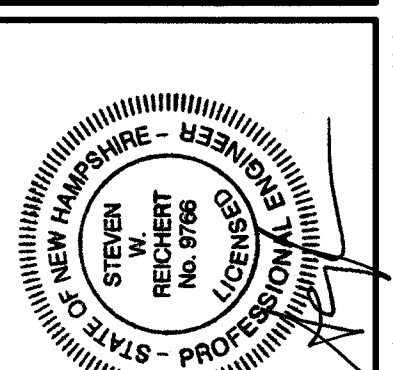
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X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

Inc.
540 Commercial Street-Manchester, NH 03101
(603) 668-8223-Fax: (603) 668-8902
cid@cldeengineers.com www.cldeengineers.com
Maine-New Hampshire-Vermont

CLD
CONSULTING
ENGINEERS



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET SIDEWALK
SOUTH STREET
MILFORD, NEW HAMPSHIRE
CROSS SECTIONS

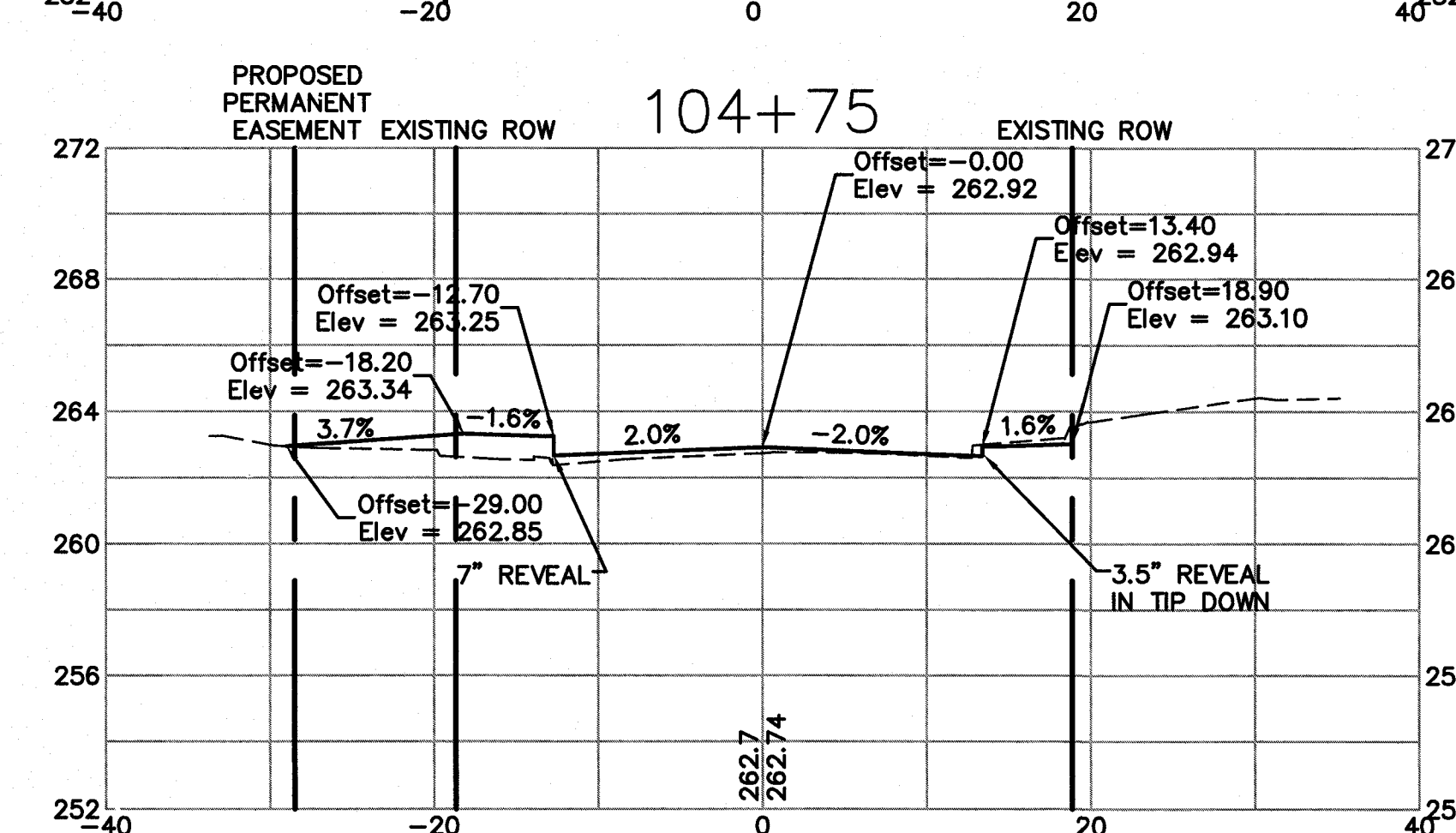
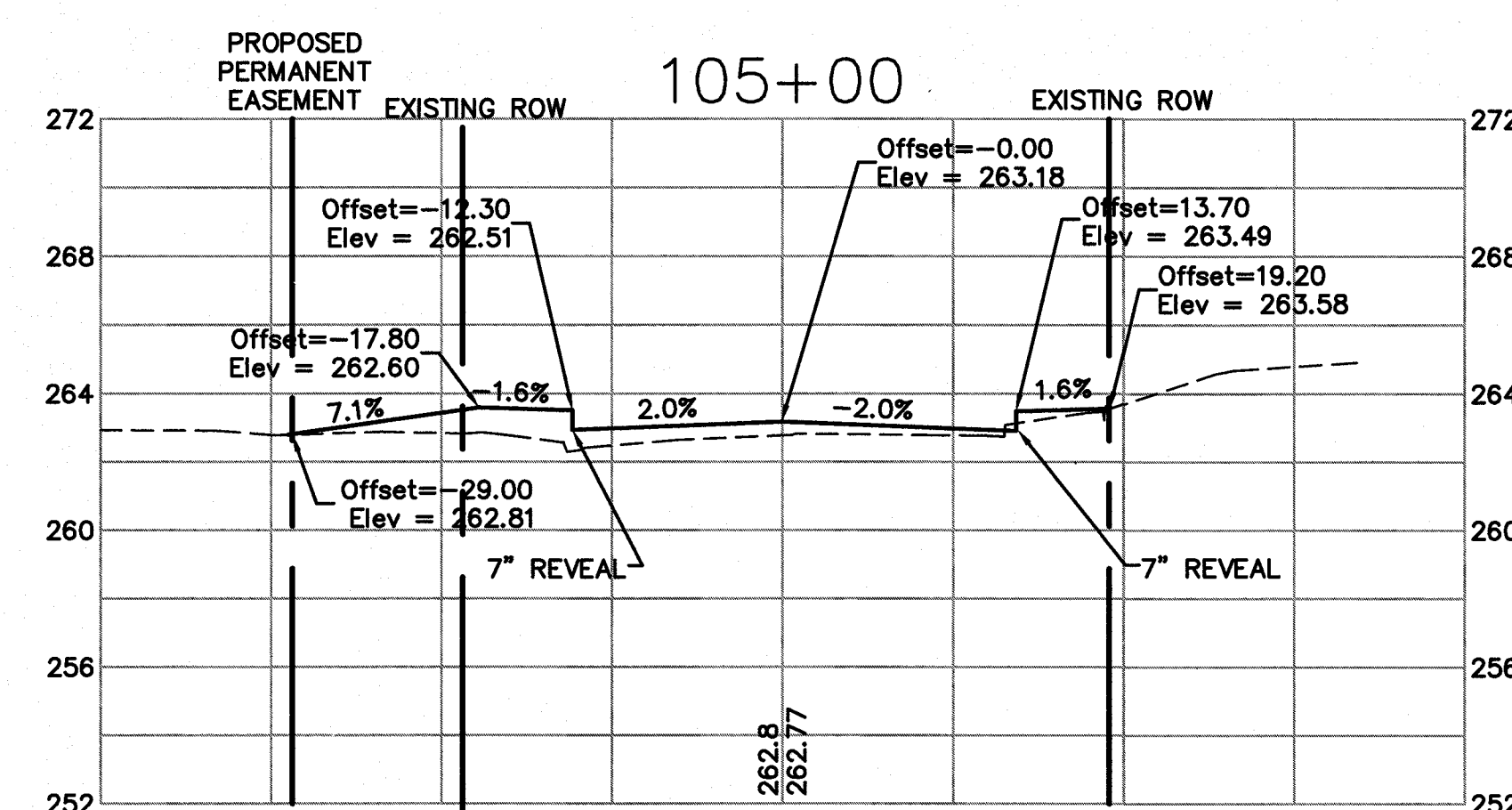
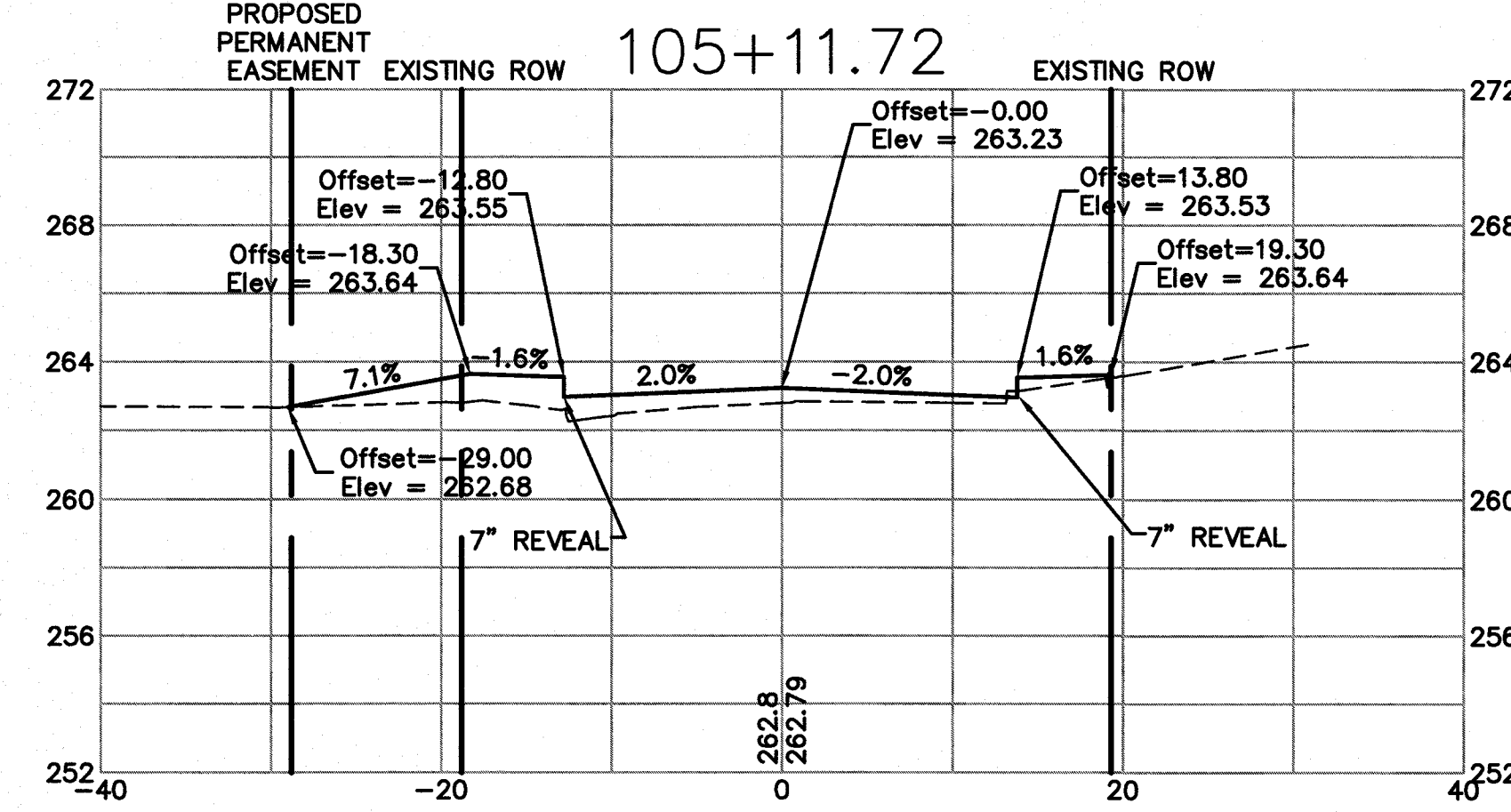
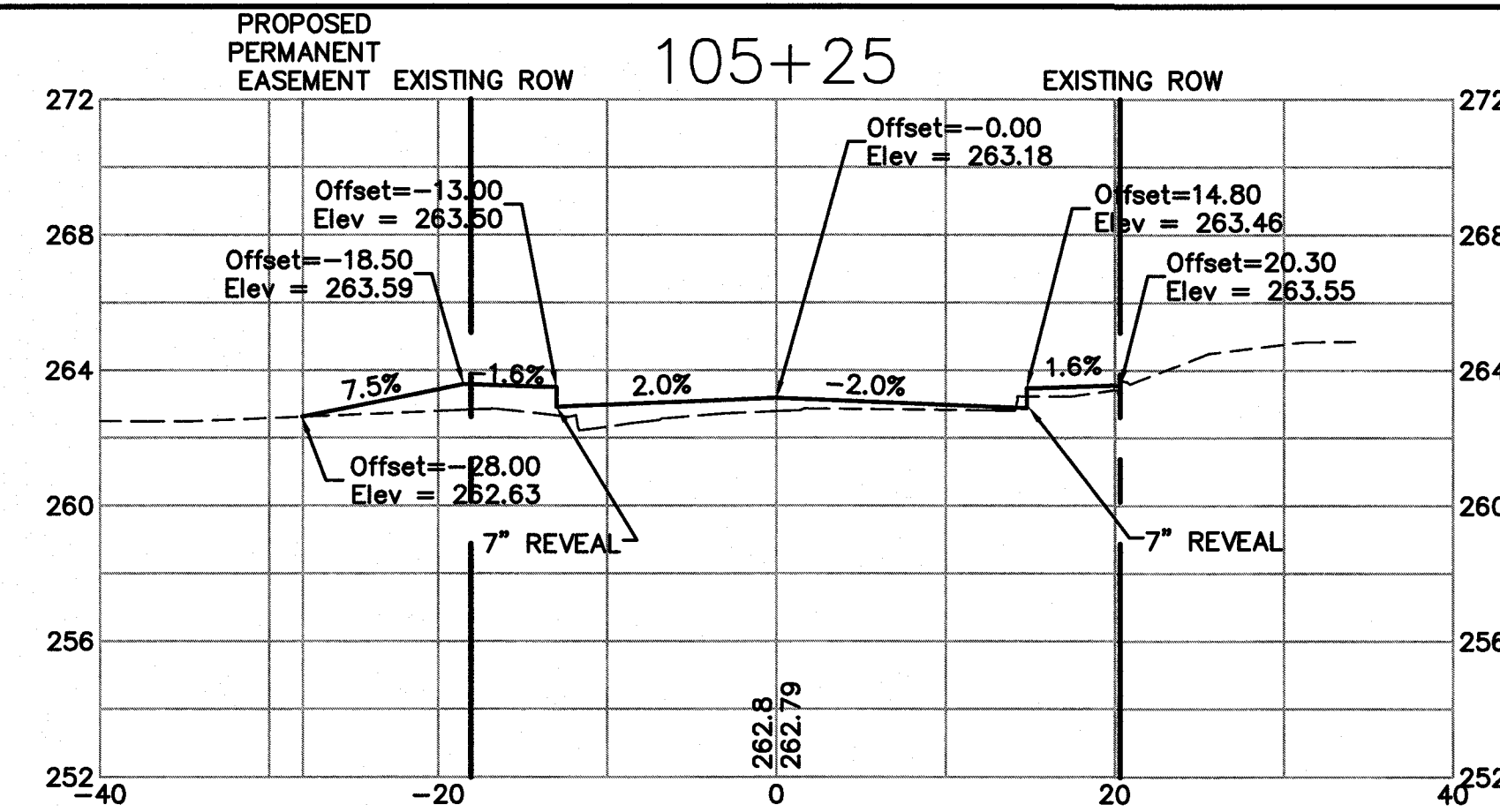
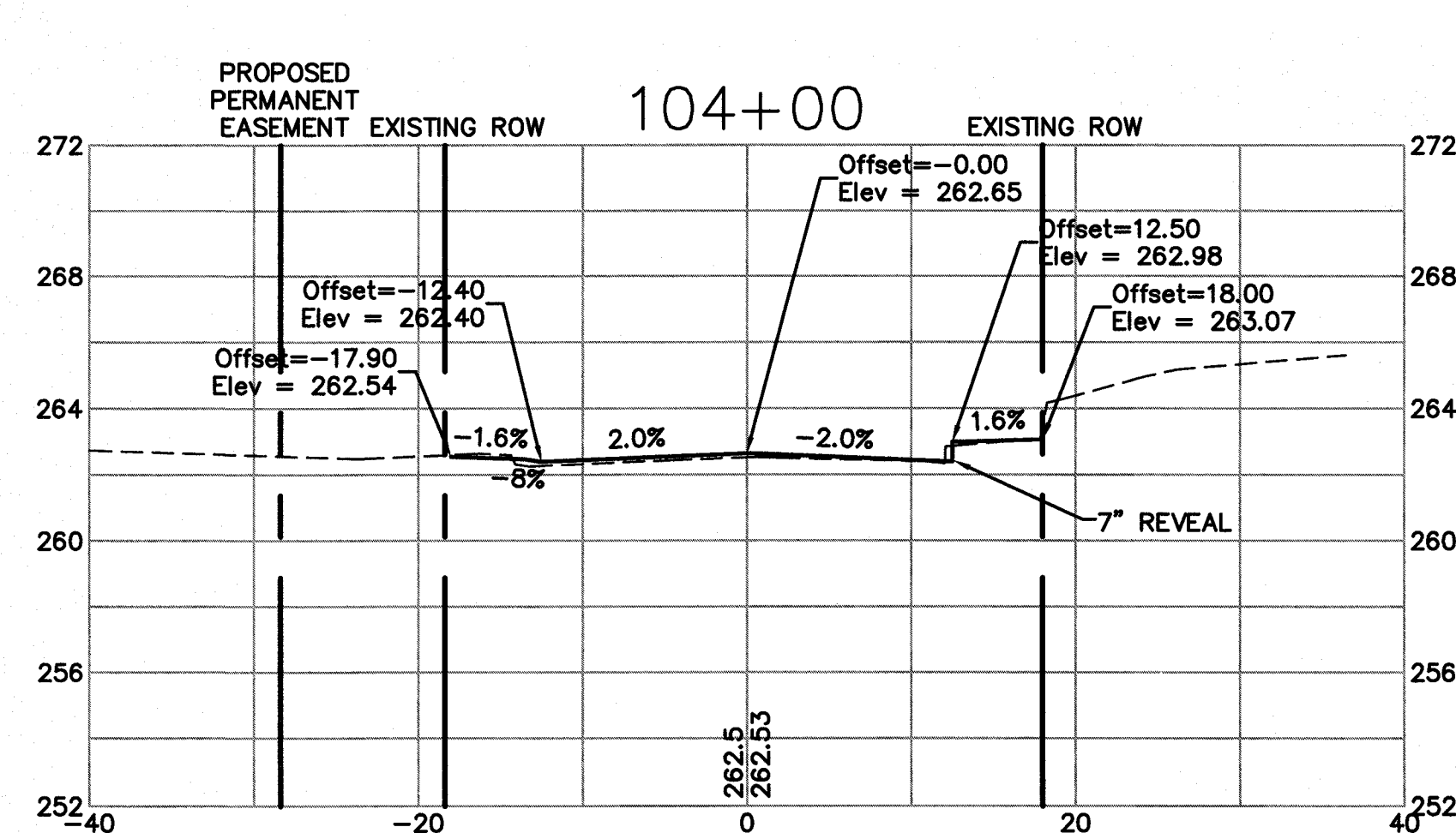
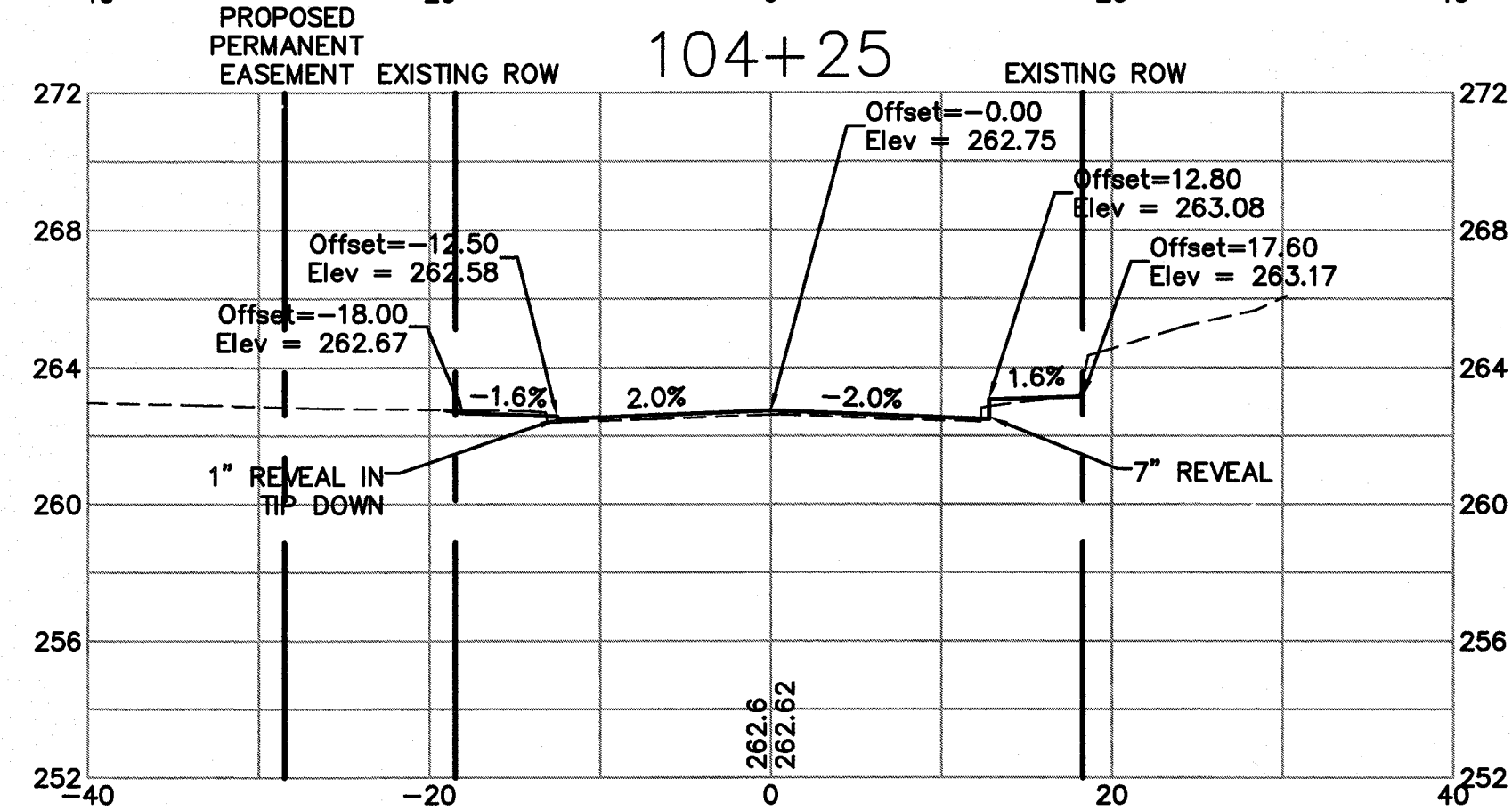
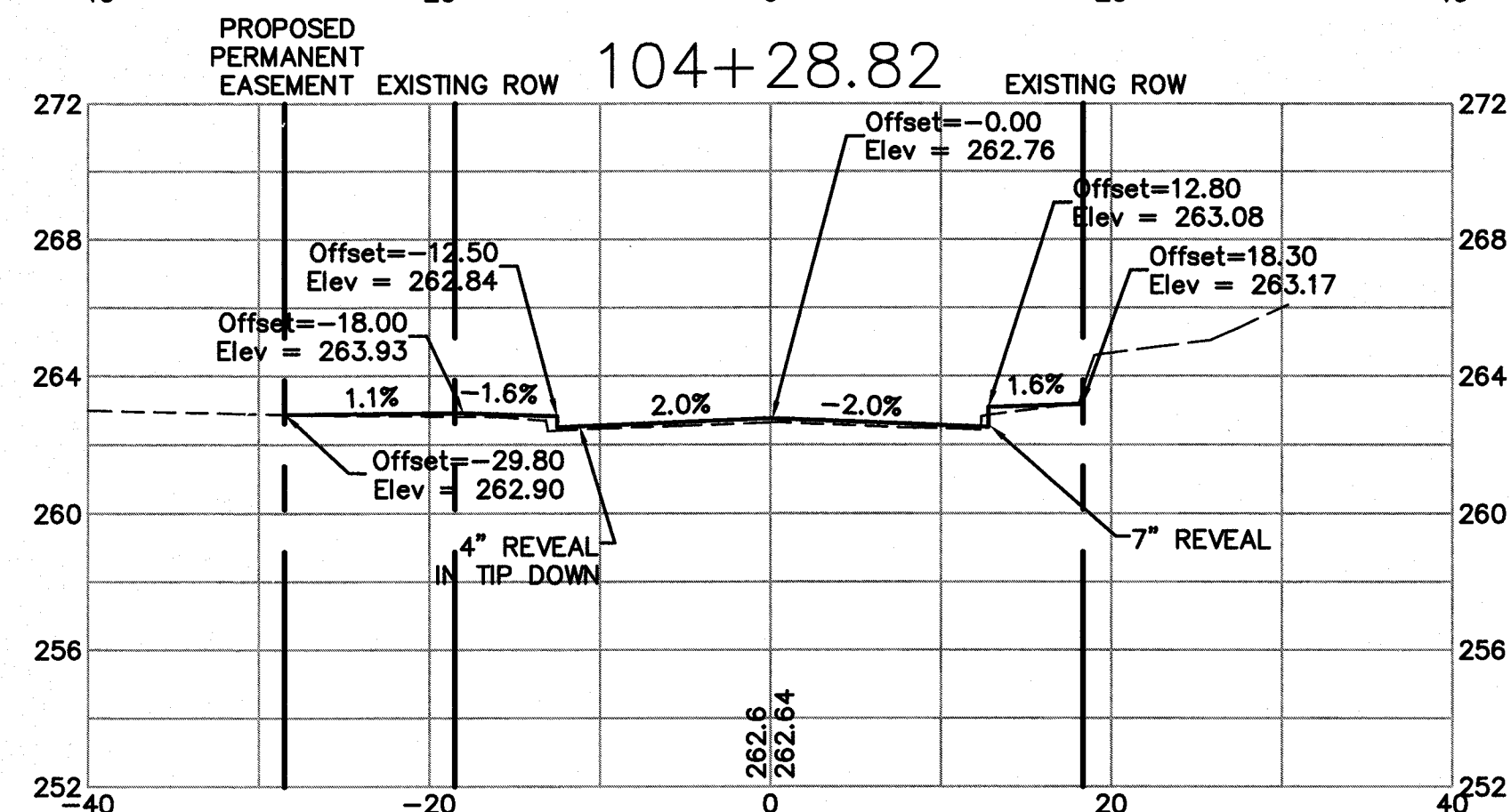
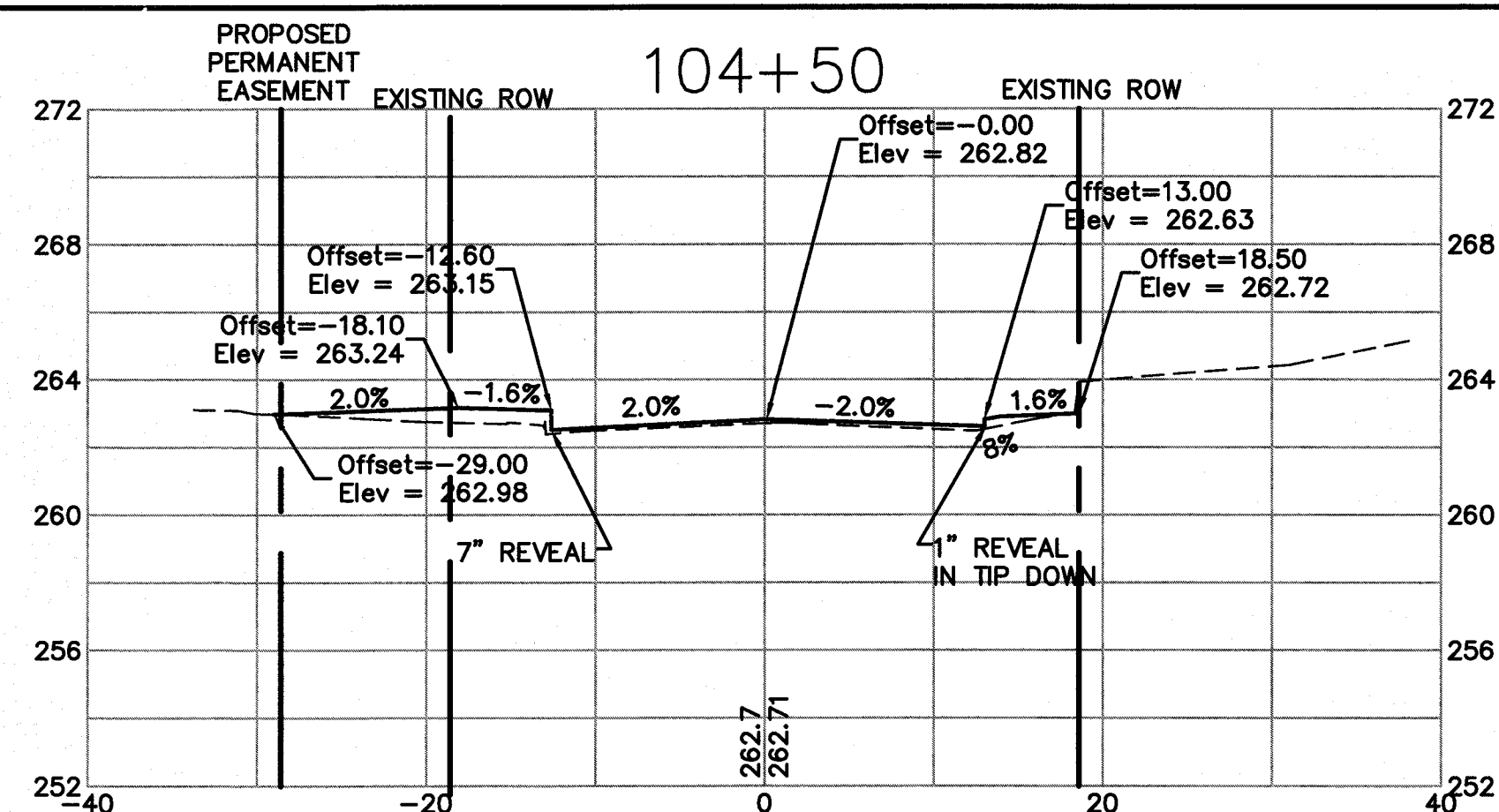
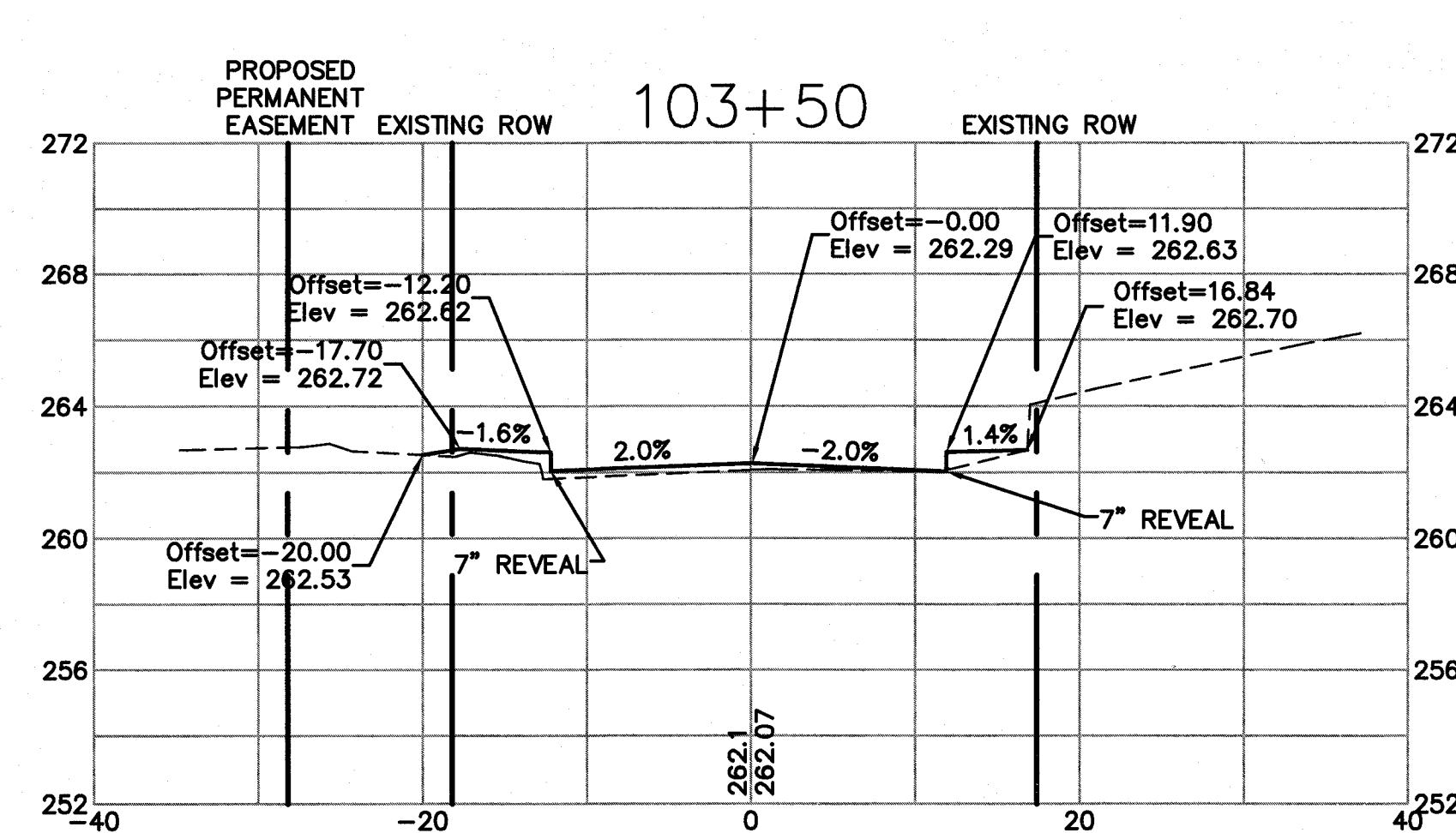
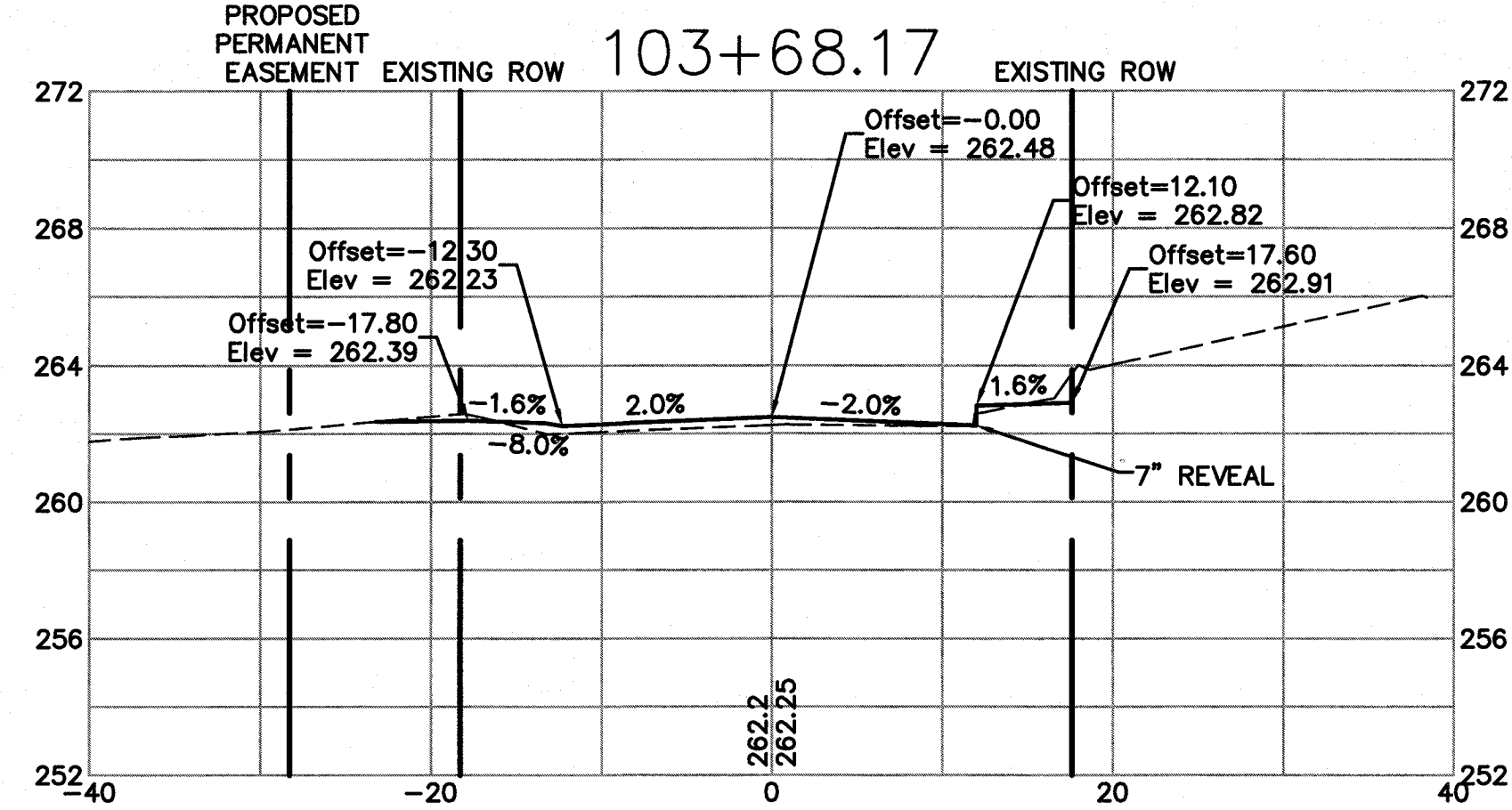
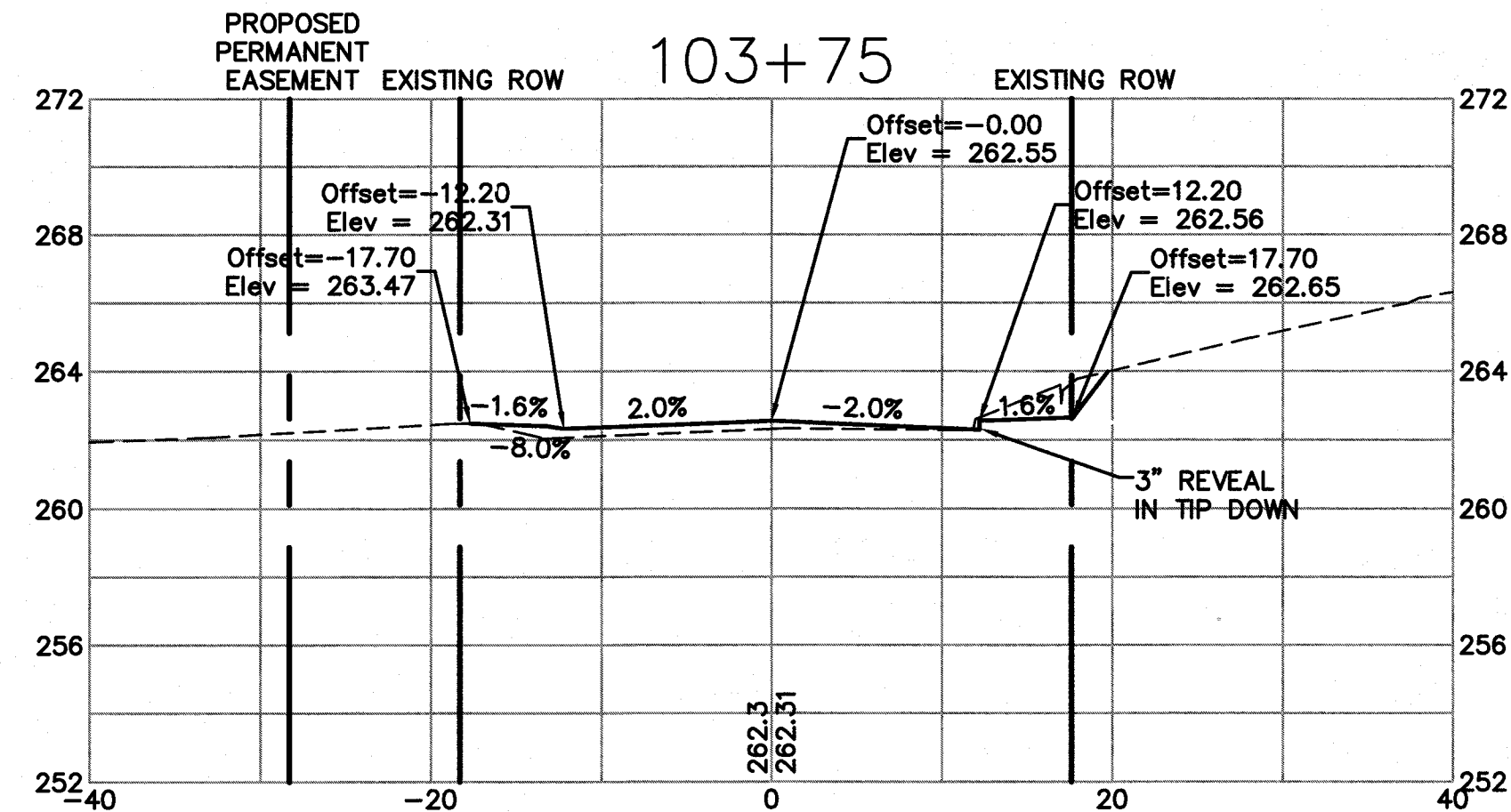
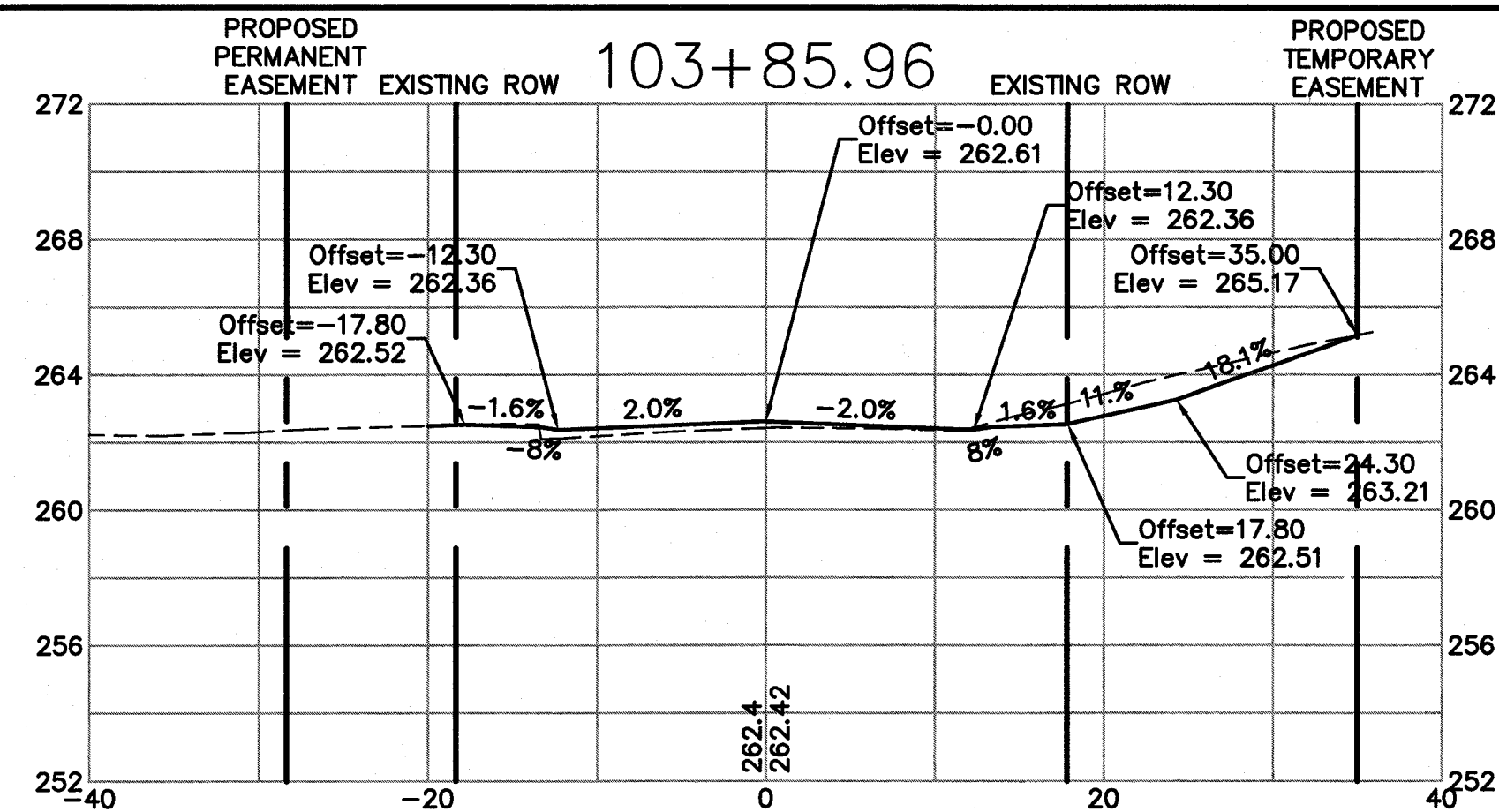
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H 1" = 10'
V 1" = 5'

JOB NO.
07-0171

DATE:
JAN 2016

DWG.
X1

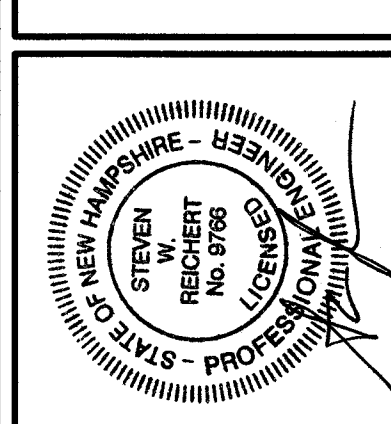
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X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

NO.	DATE	REVISION	DESIGNED	CHECKED	APPROVED
1	1/14/16	ISSUED FOR CONSTRUCTION	MFH/MMS	SWR/XMG	SWR

CLD CONSULTING ENGINEERS Inc.
540 Commercial Street-Manchester, NH 03101
(603) 688-8223 Fax: (603) 688-8802
clde@cldeengineers.com www.cldeengineers.com
Maine-New Hampshire-Vermont

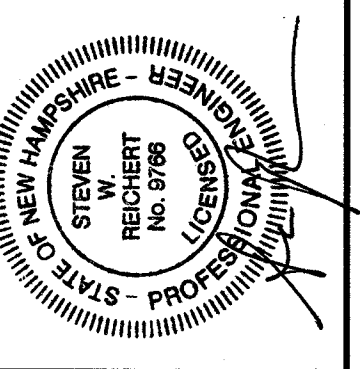
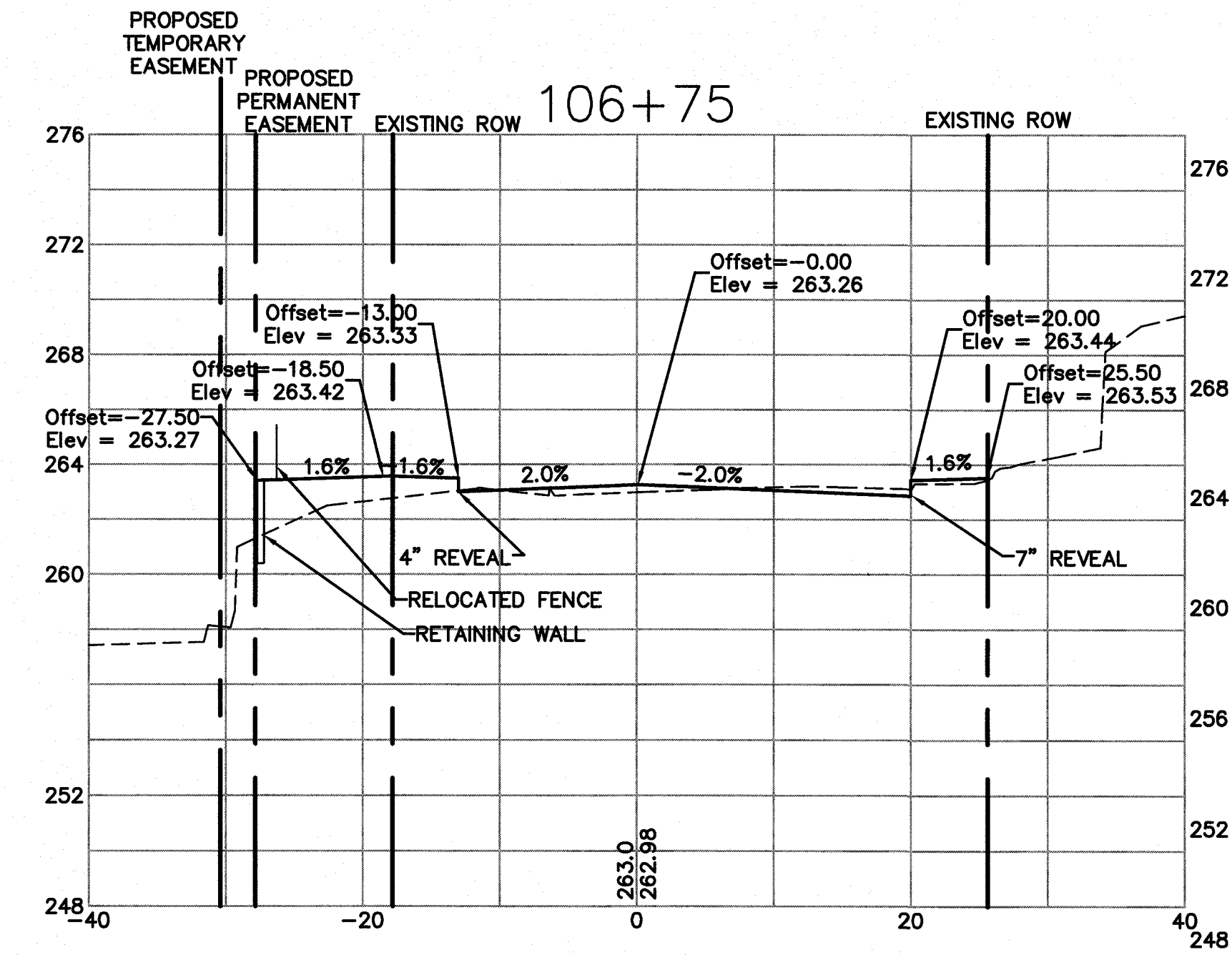
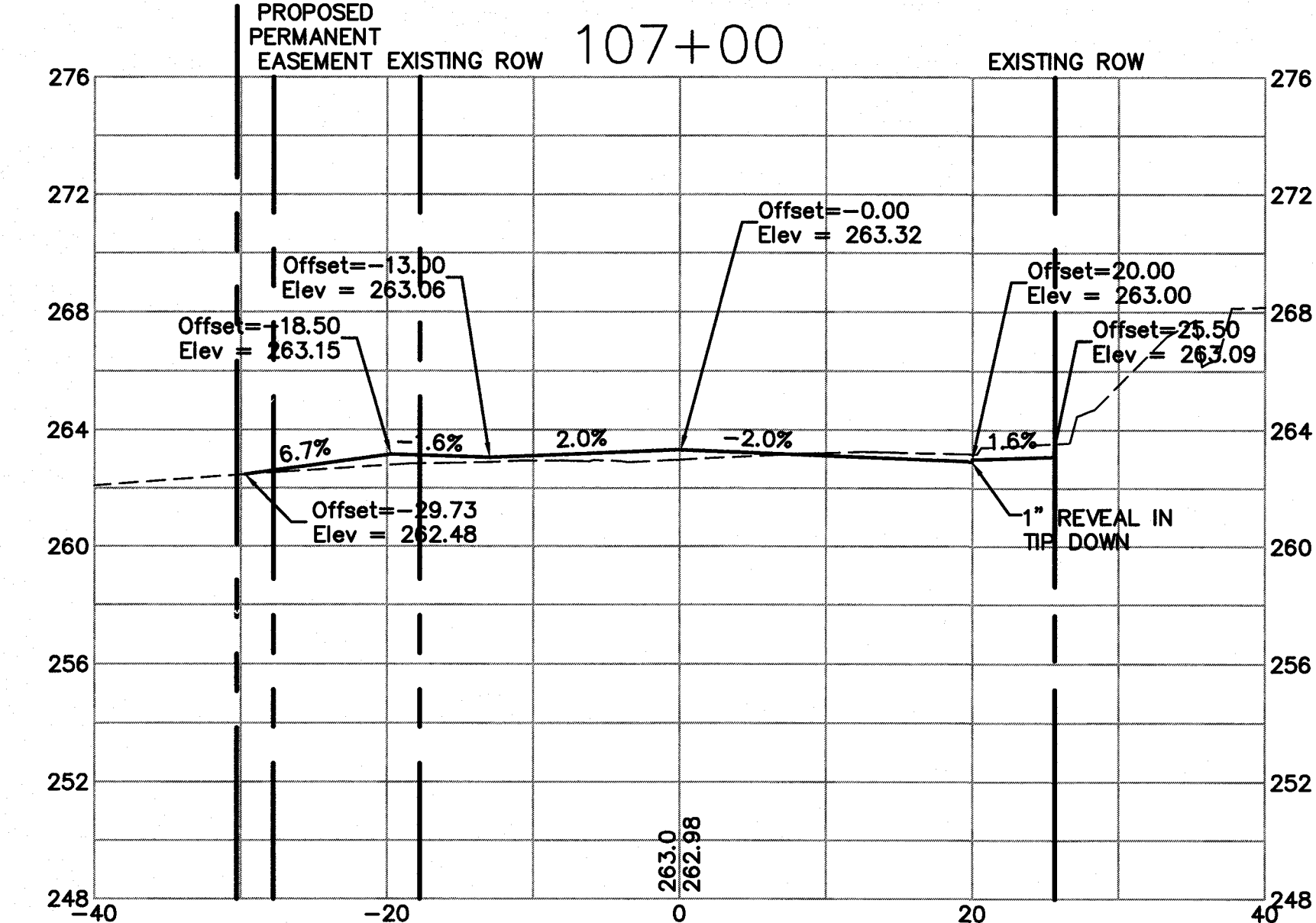
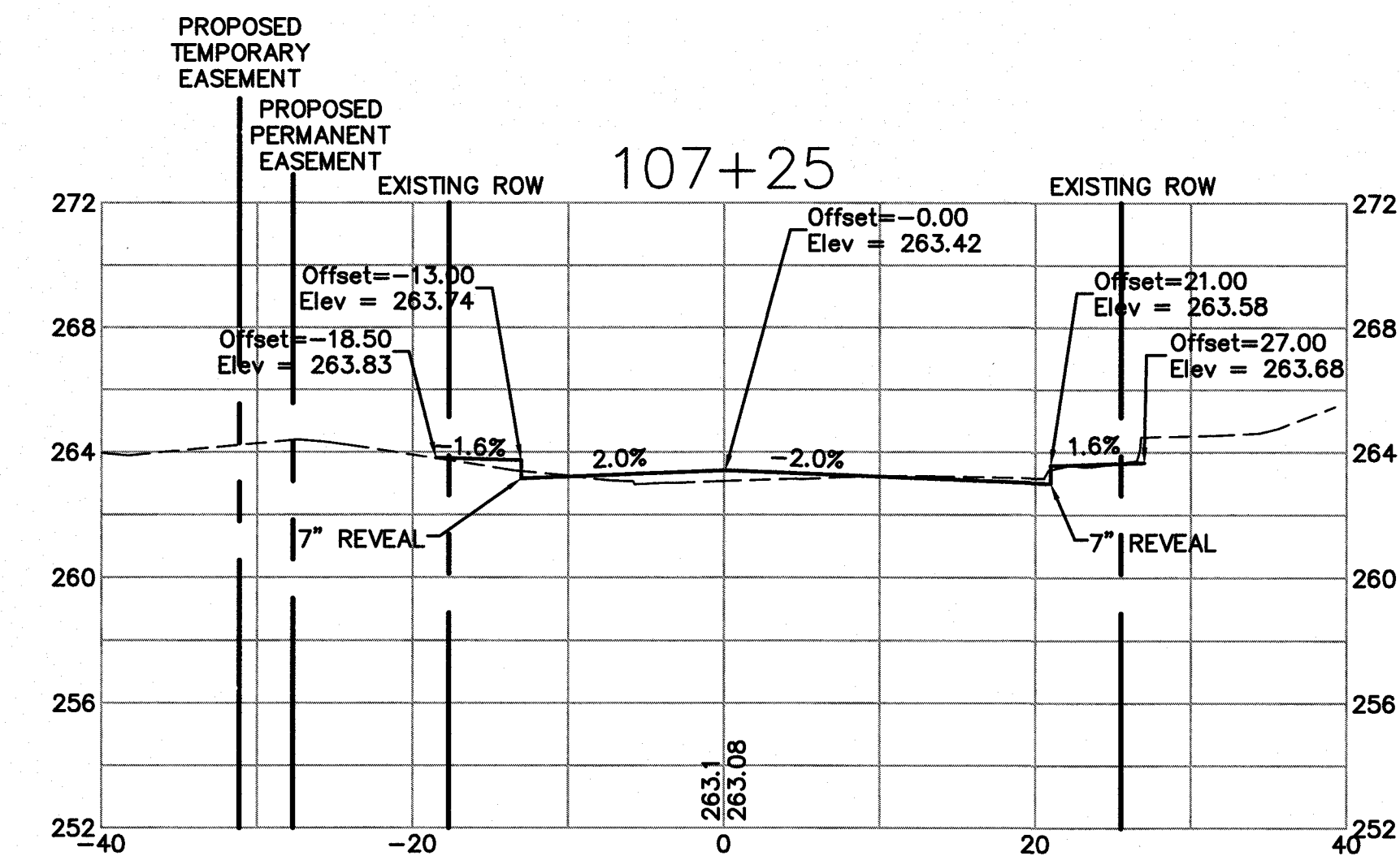
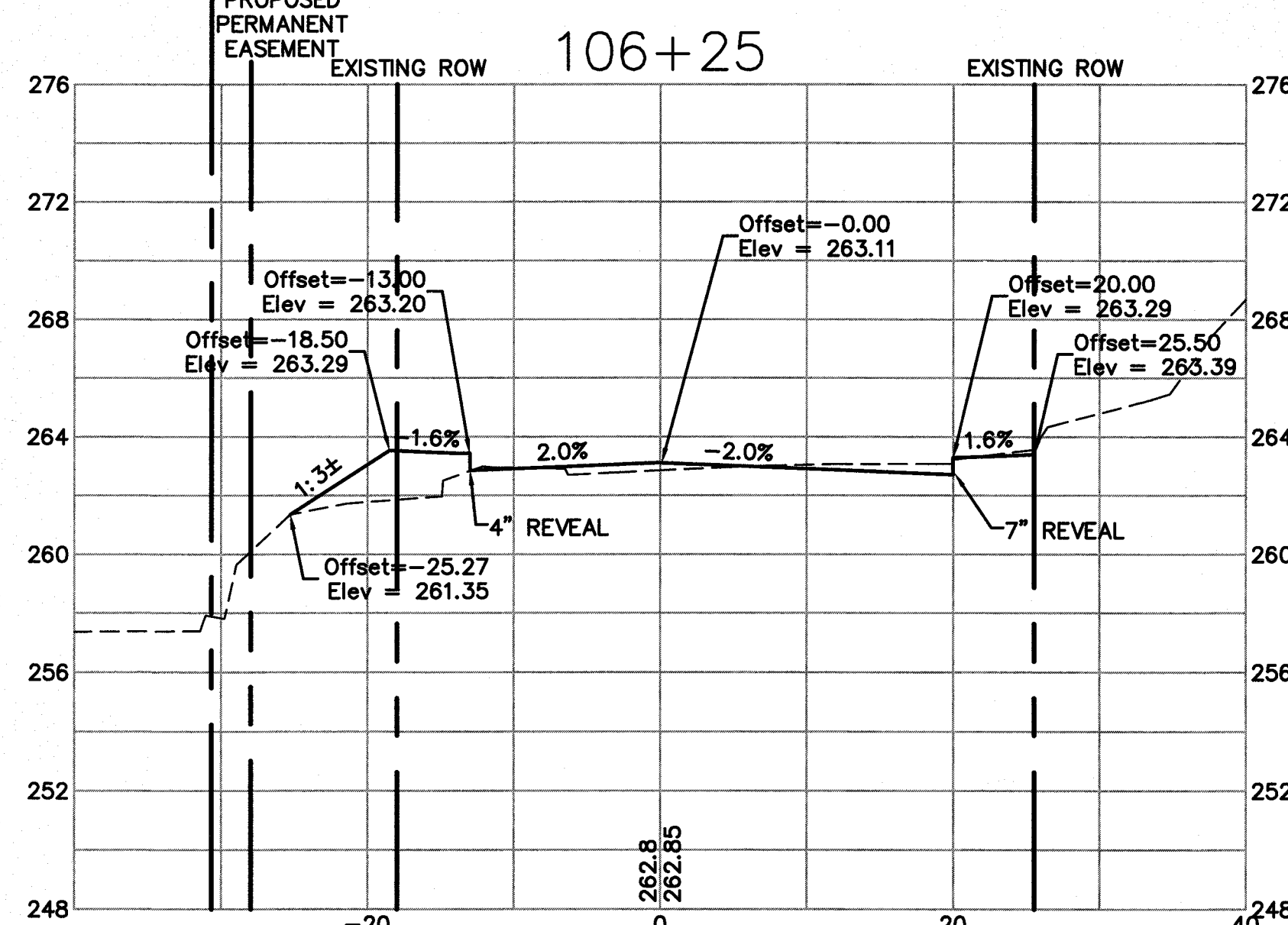
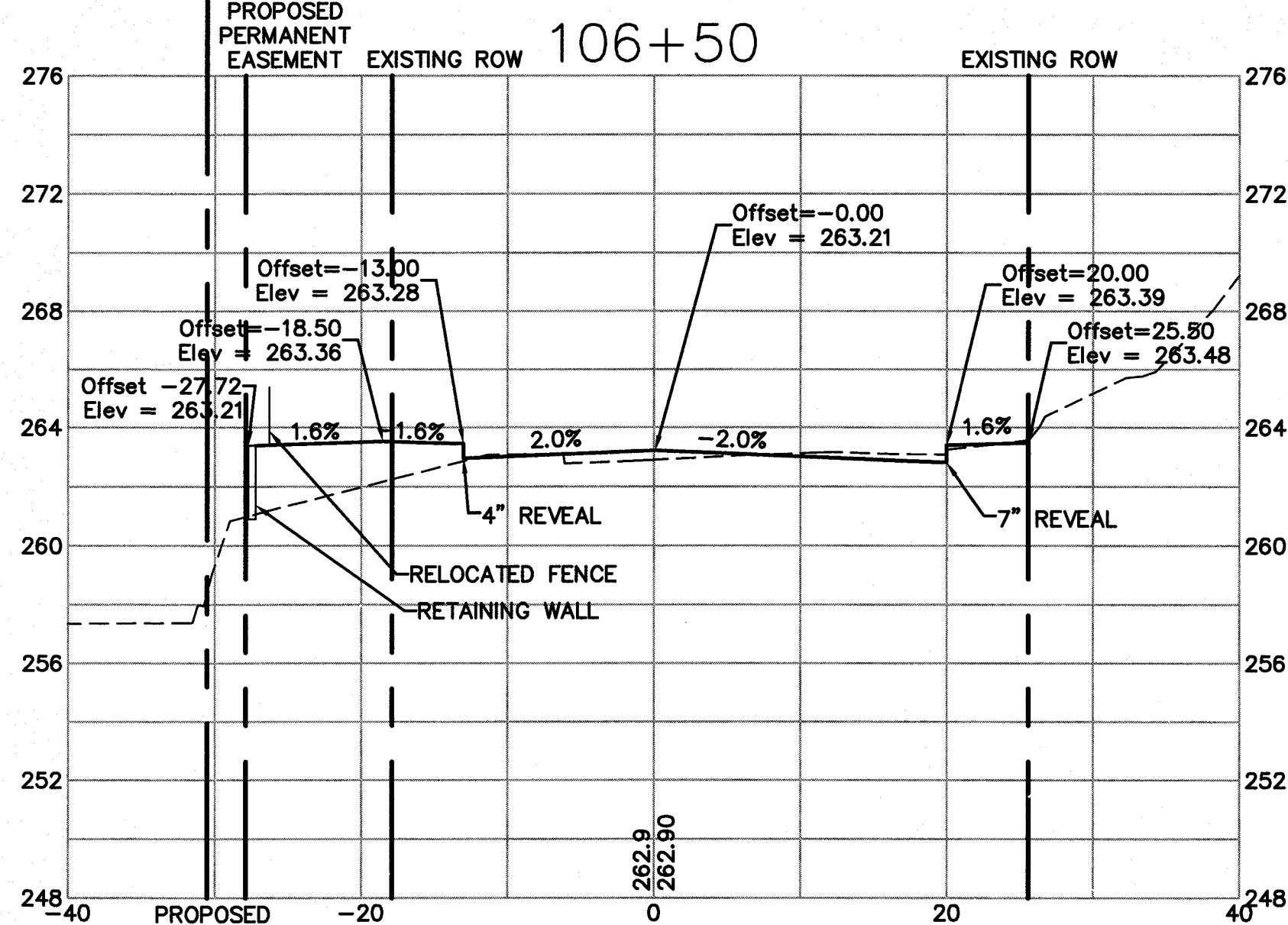
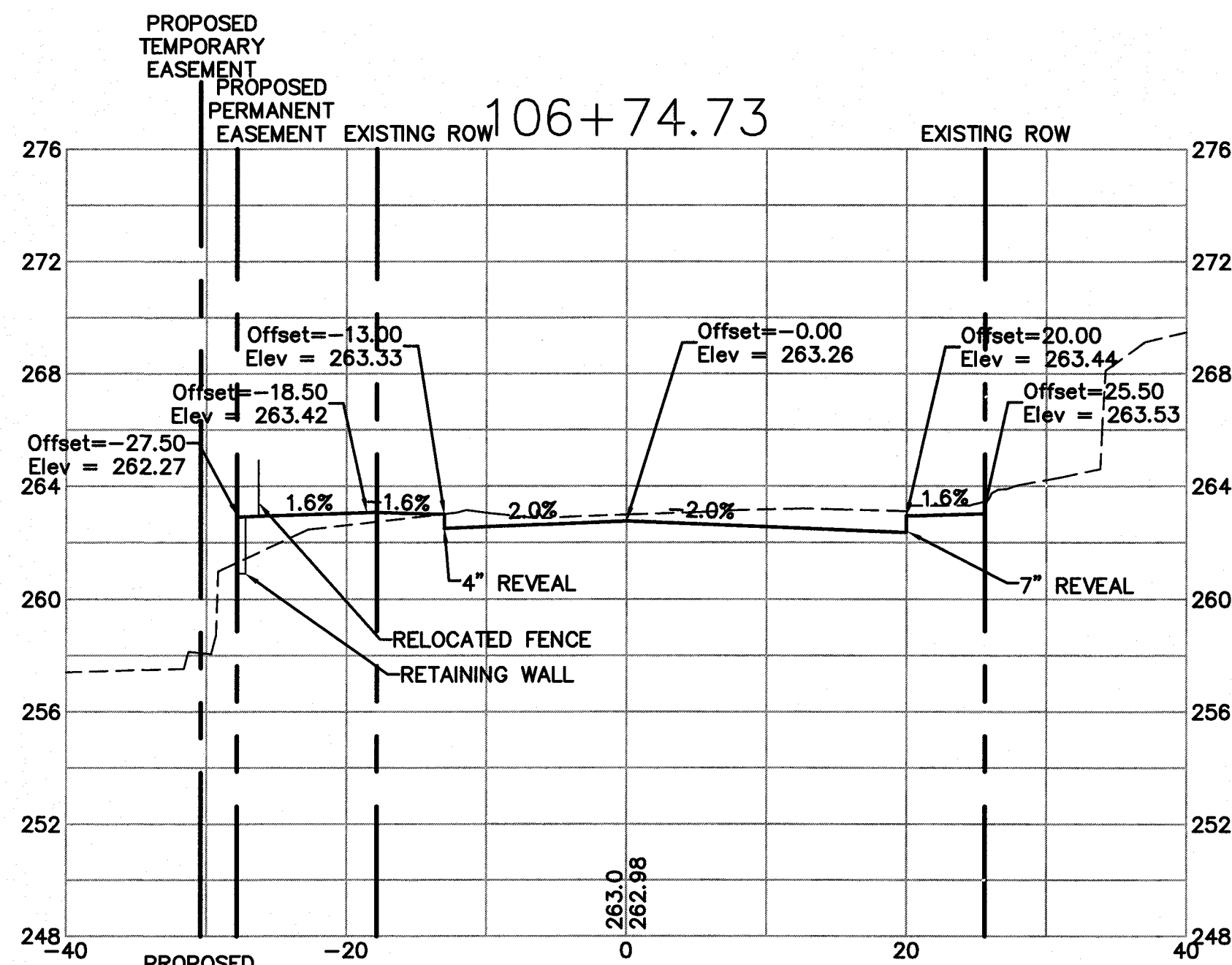
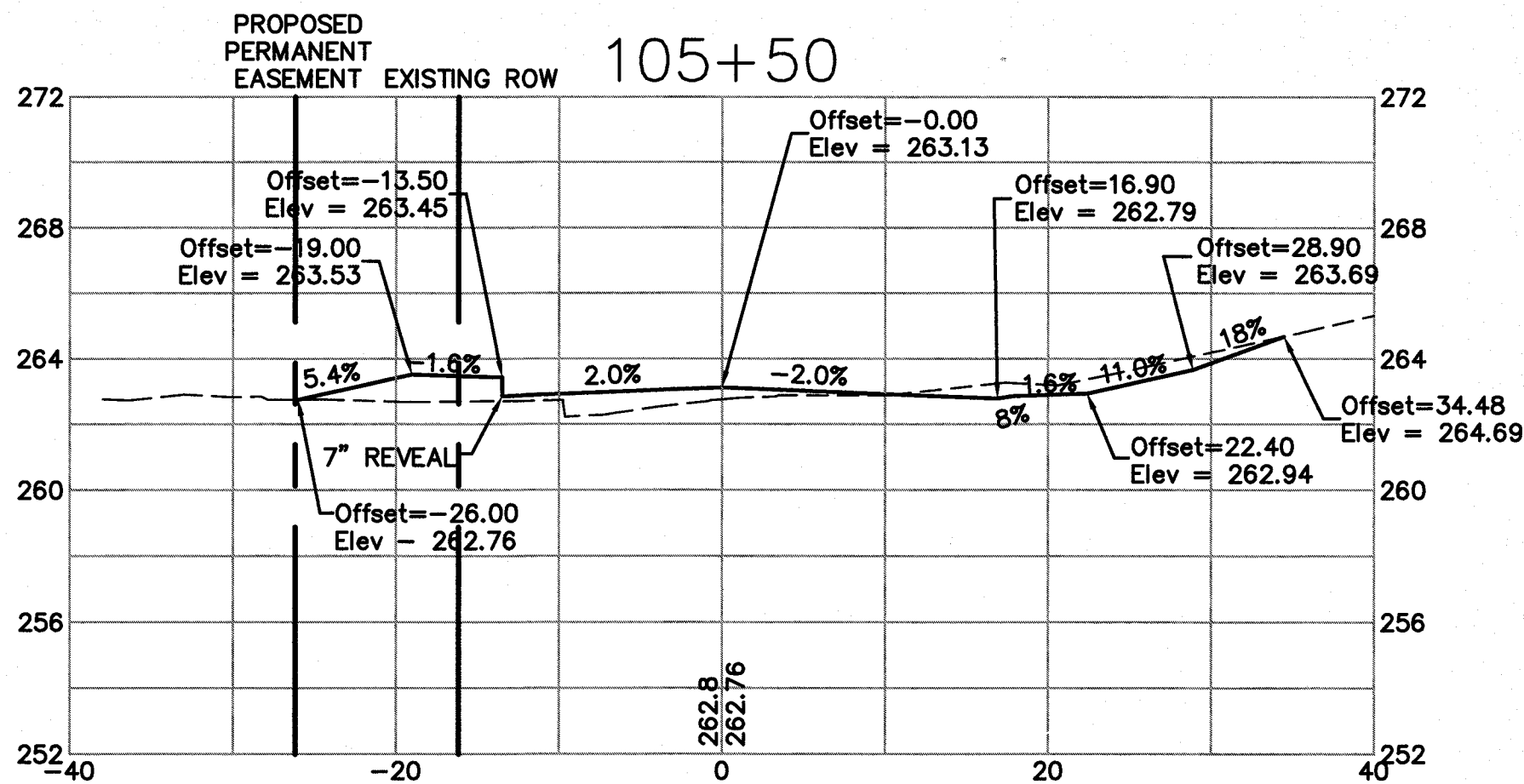
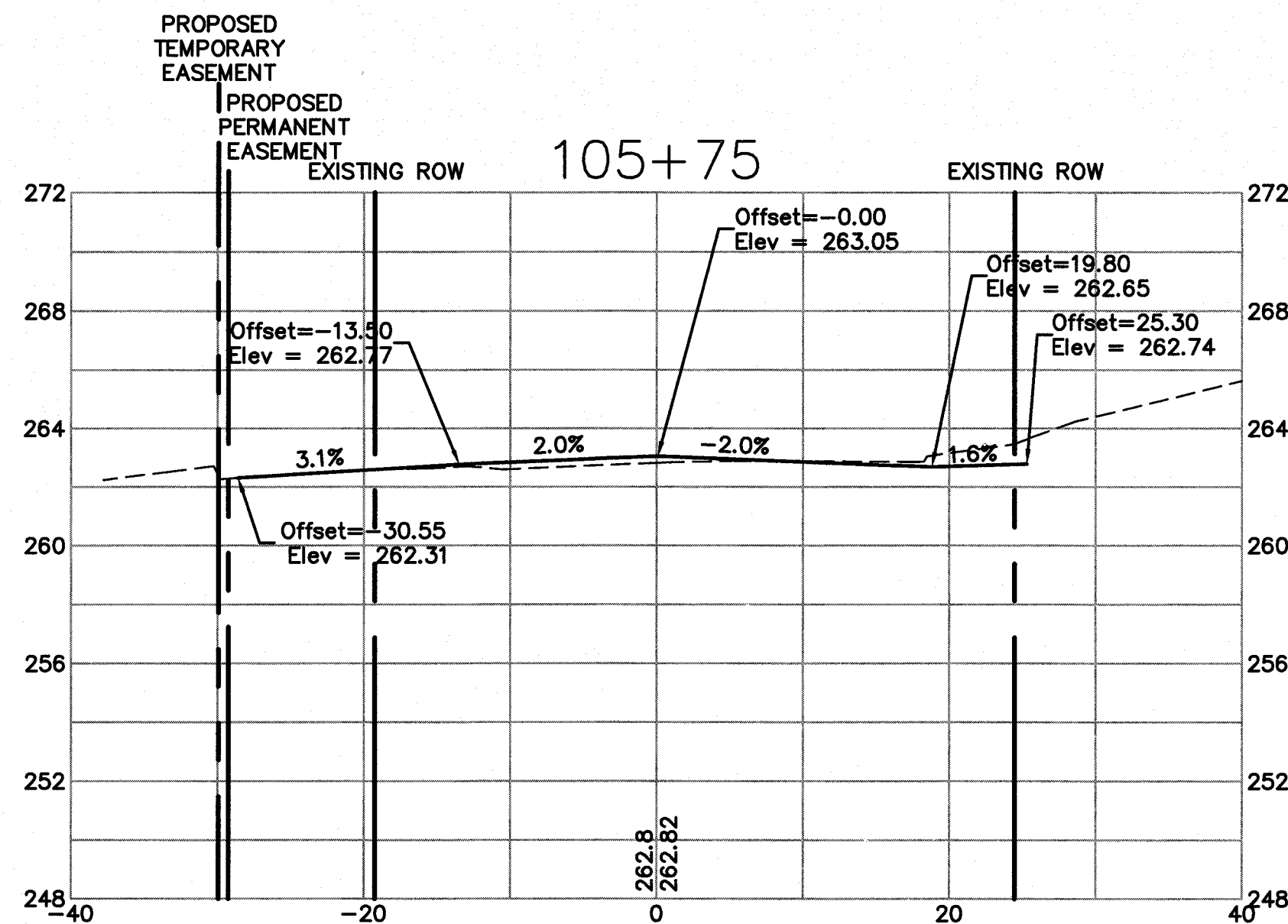
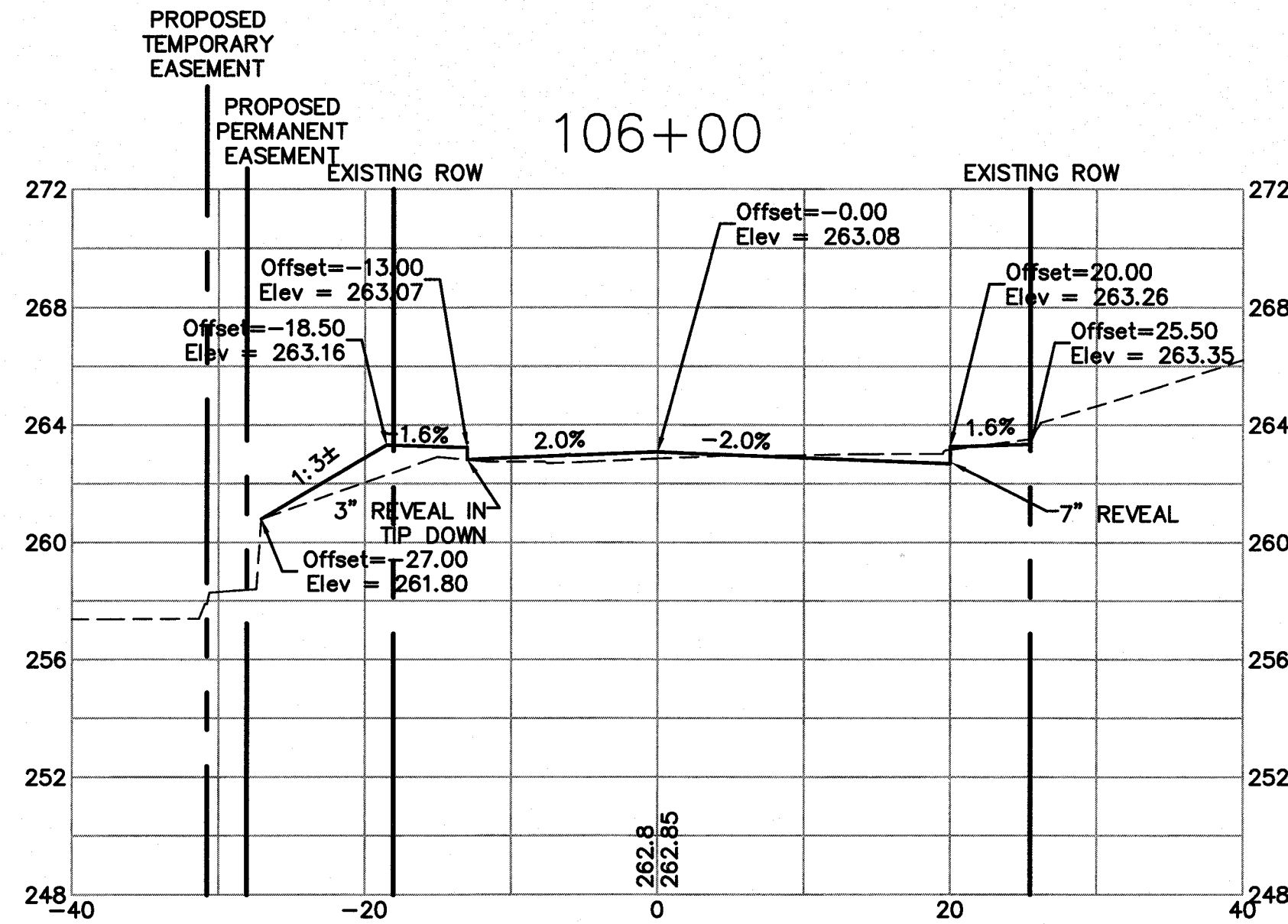


TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET SIDEWALK
SOUTH STREET
MILFORD, NEW HAMPSHIRE
CROSS SECTIONS

SCALE: H 1" = 10' V 1" = 5'	JOB NO. 07-0171
DATE: JAN 2016	DWG. X2

X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

SOUTH STREET SIDEWALK
SOUTH STREET
MILFORD, NEW HAMPSHIRE
CROSS SECTIONS

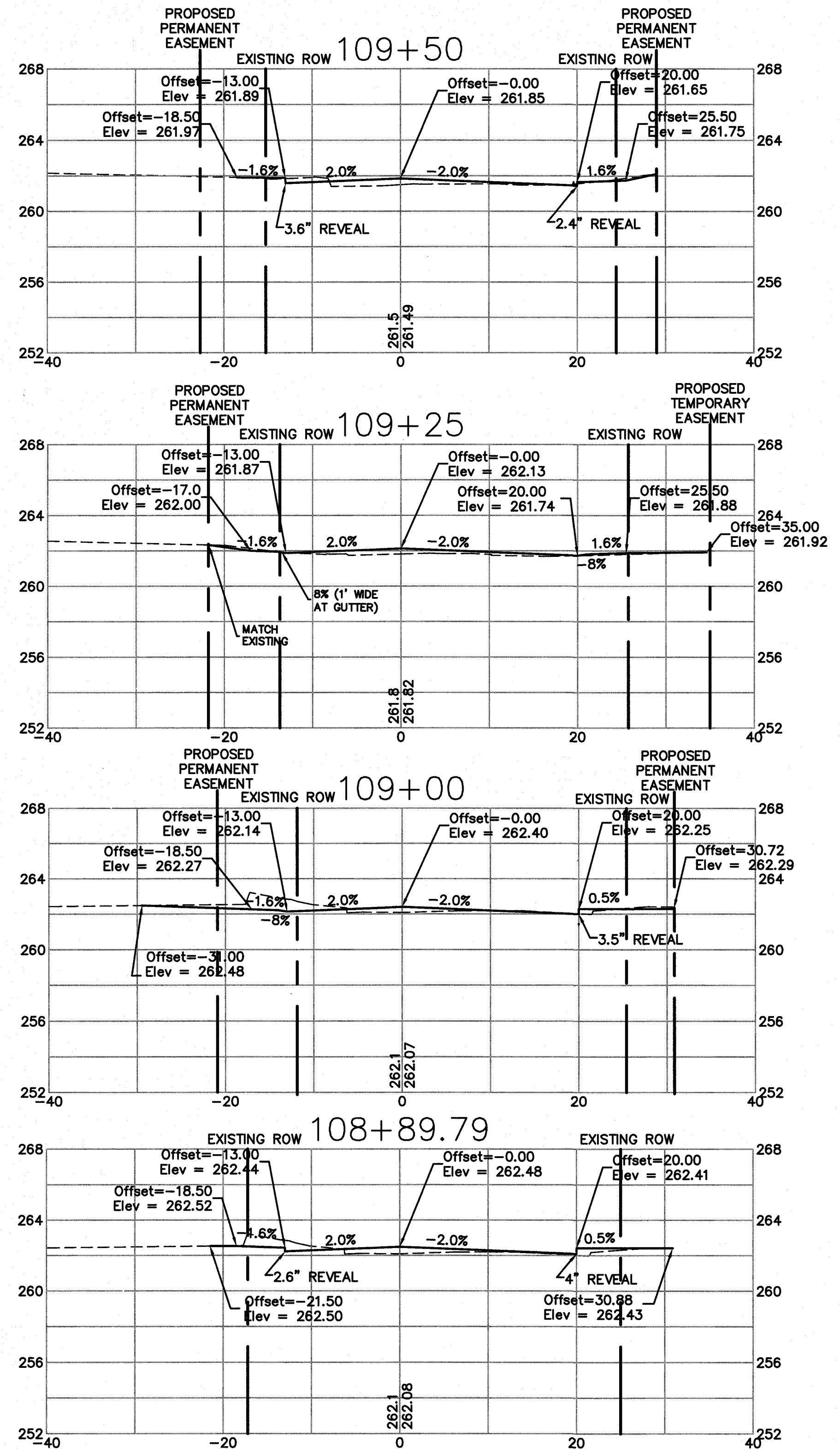
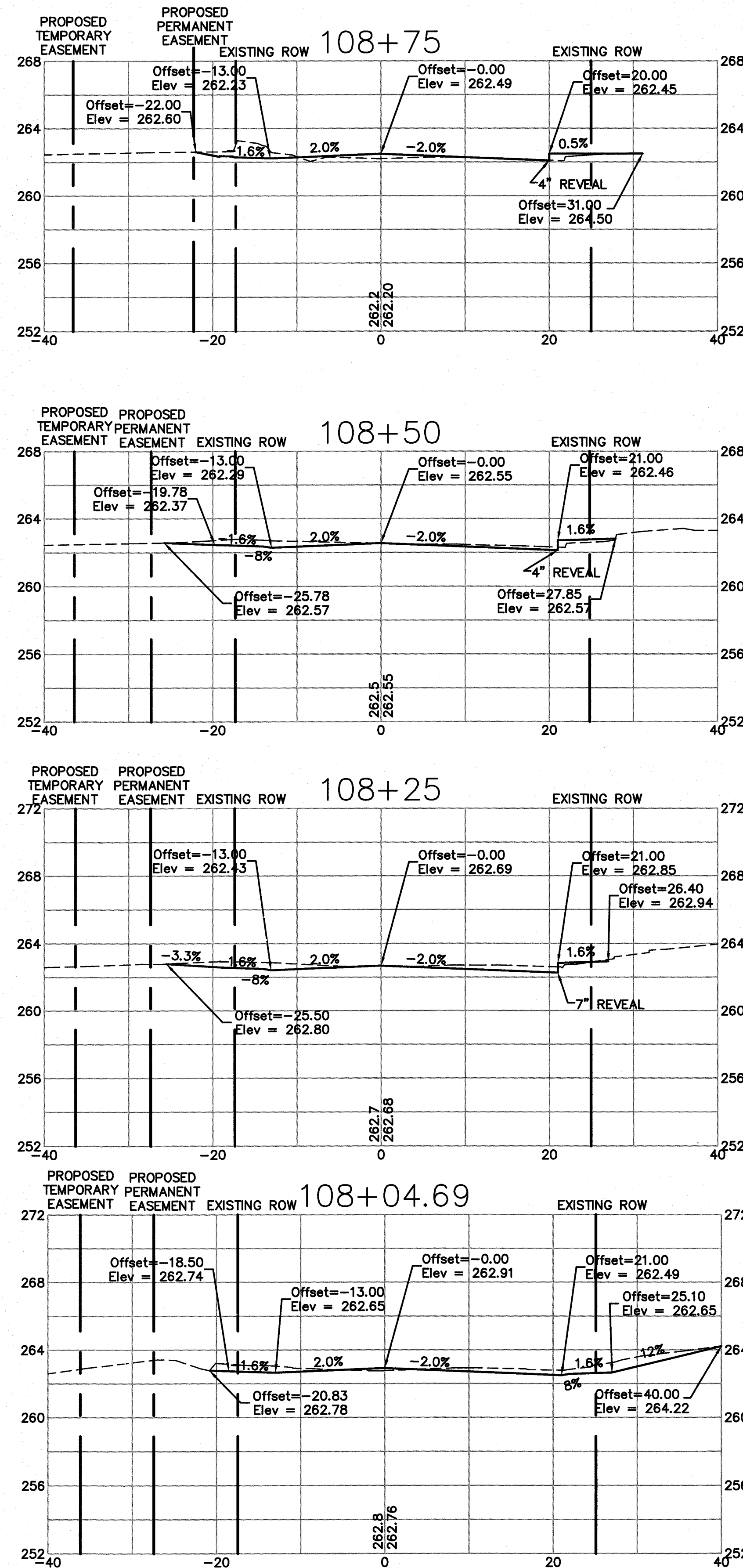
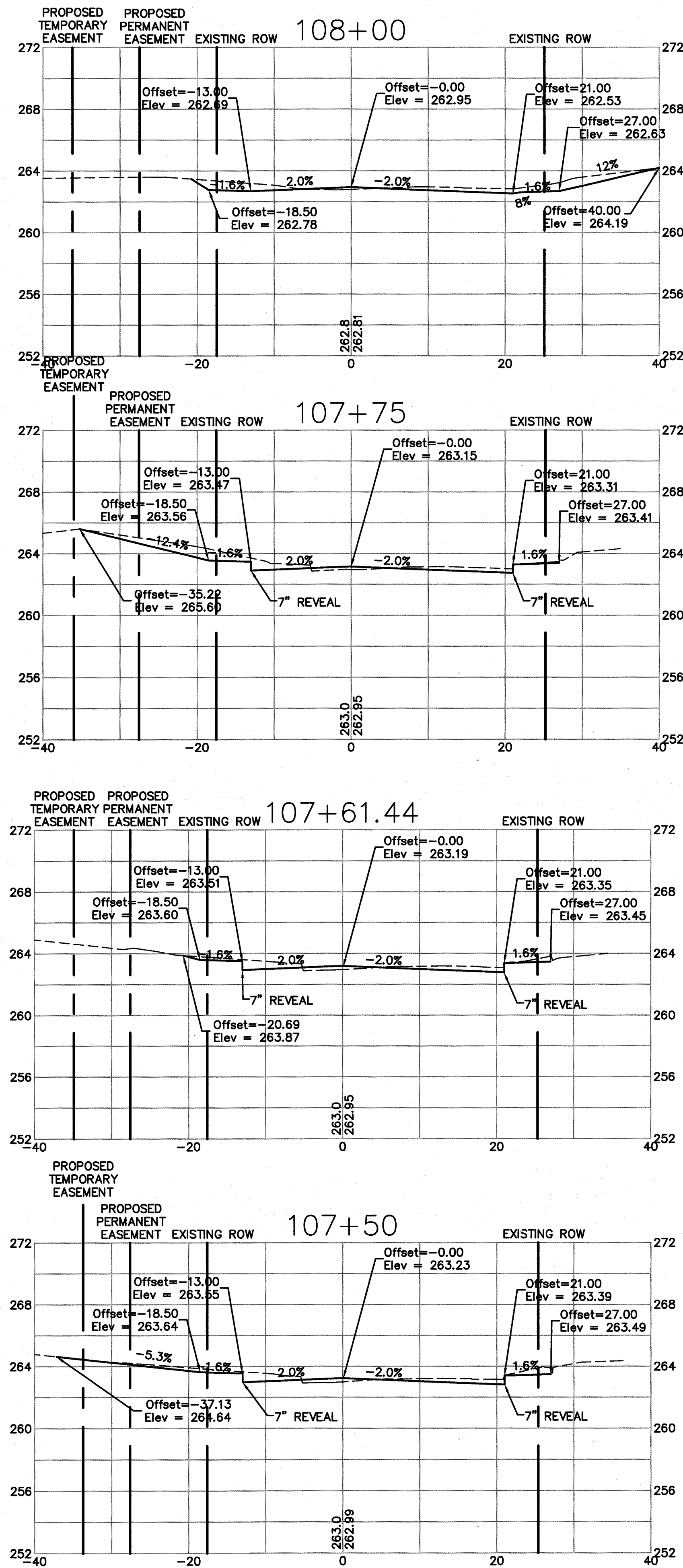
SCALE:
H 1" = 10'
V 1" = 5'

JAN 2016

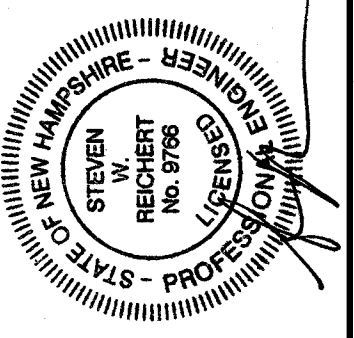
DWG.
X3

ISSUED FOR CONSTRUCTION
1 1/14/16
NO. DATE
DESIGNED: ELC/MFI
DRAWN: MFI/AMS
CHECKED: SWR/AMS
APPROVED: SWR

F:\PROJECTS\2007\MILFORD\W07071 MILFORD TOWN CIVIL DRAWINGS, PLOTS AND PLANS BY OTHERS REVISED PLANS BY DAD 1-12-16\W07071-XS 9-14 REV0116.DWG 1/12/2016 8:58 AM



X-A000(565)/14837 - MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING

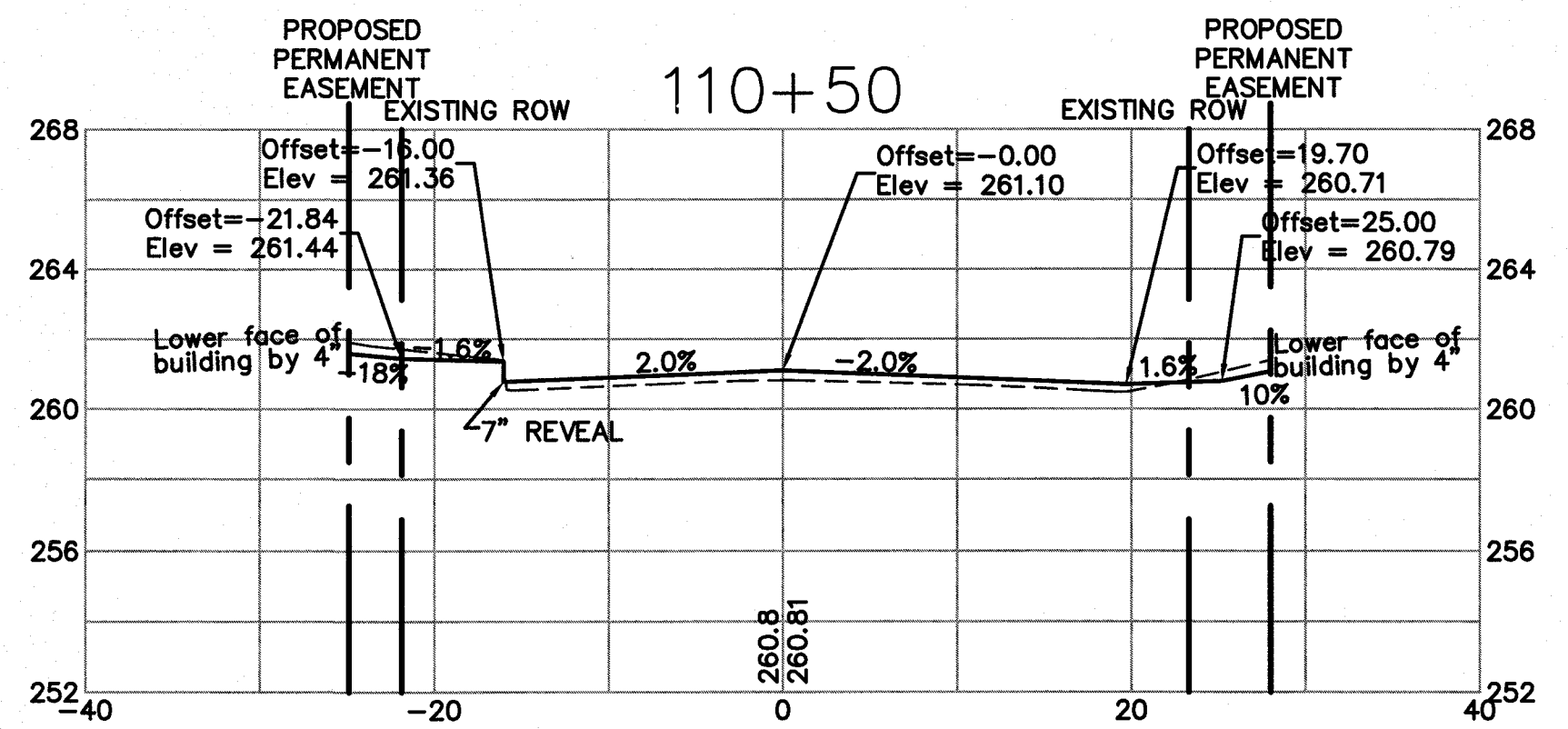
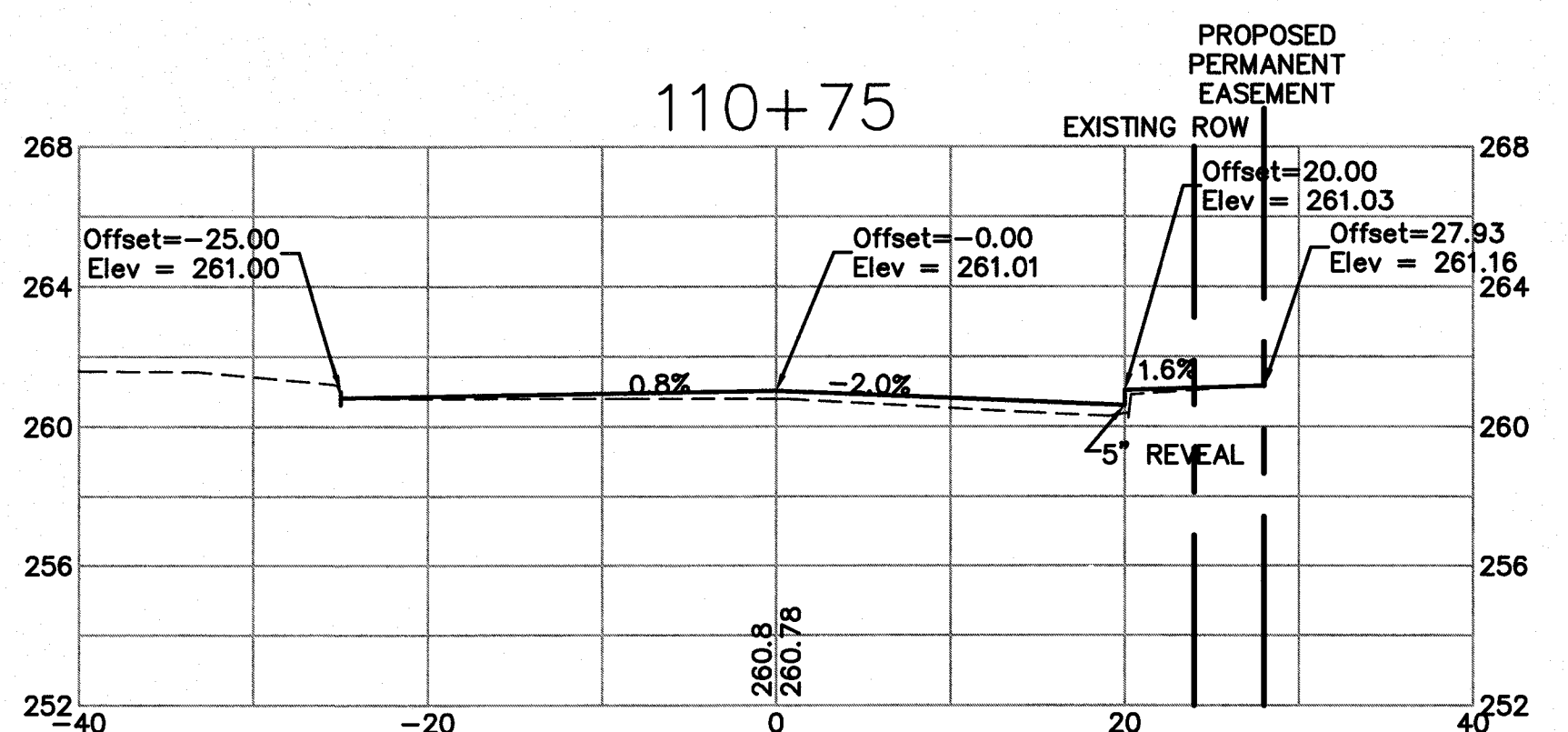
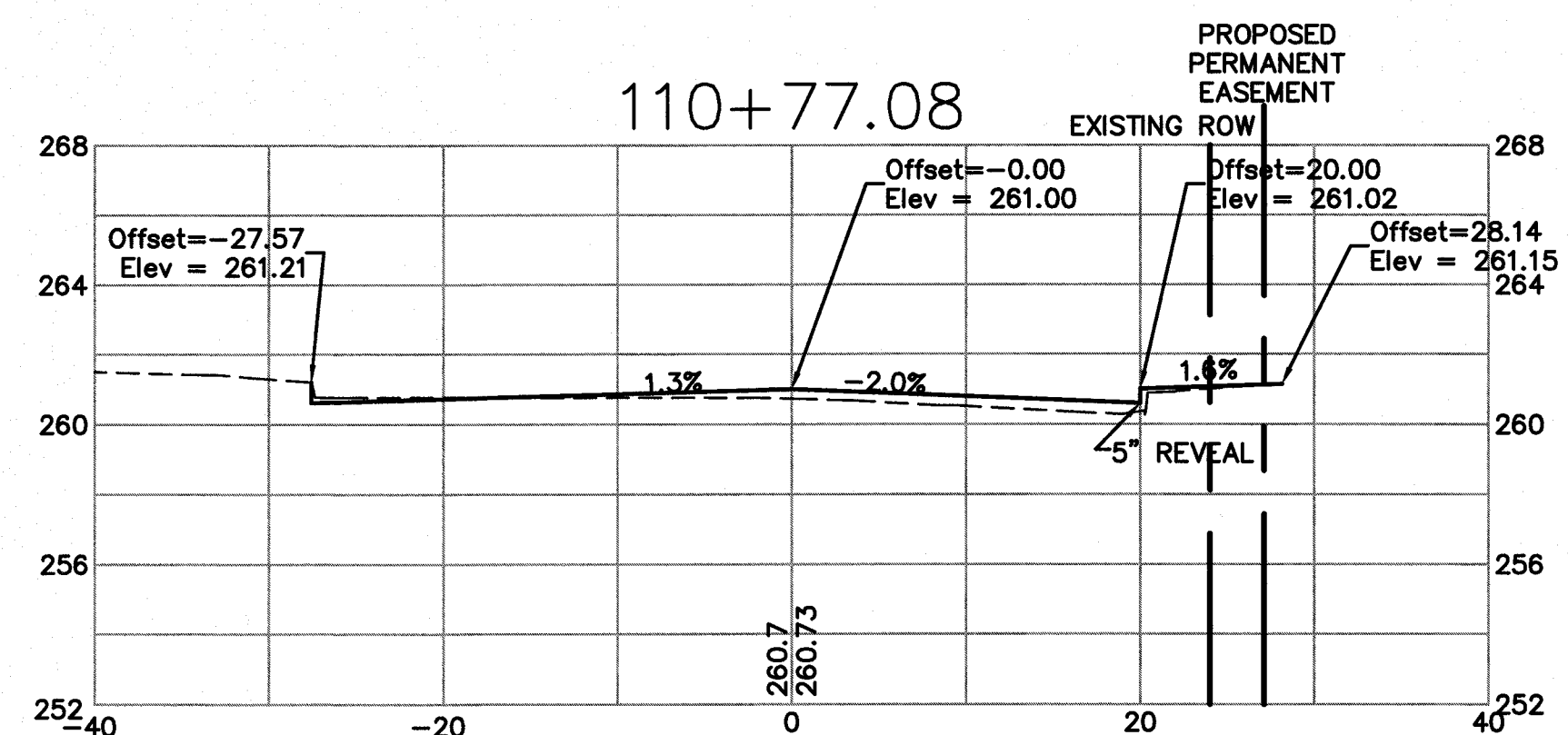
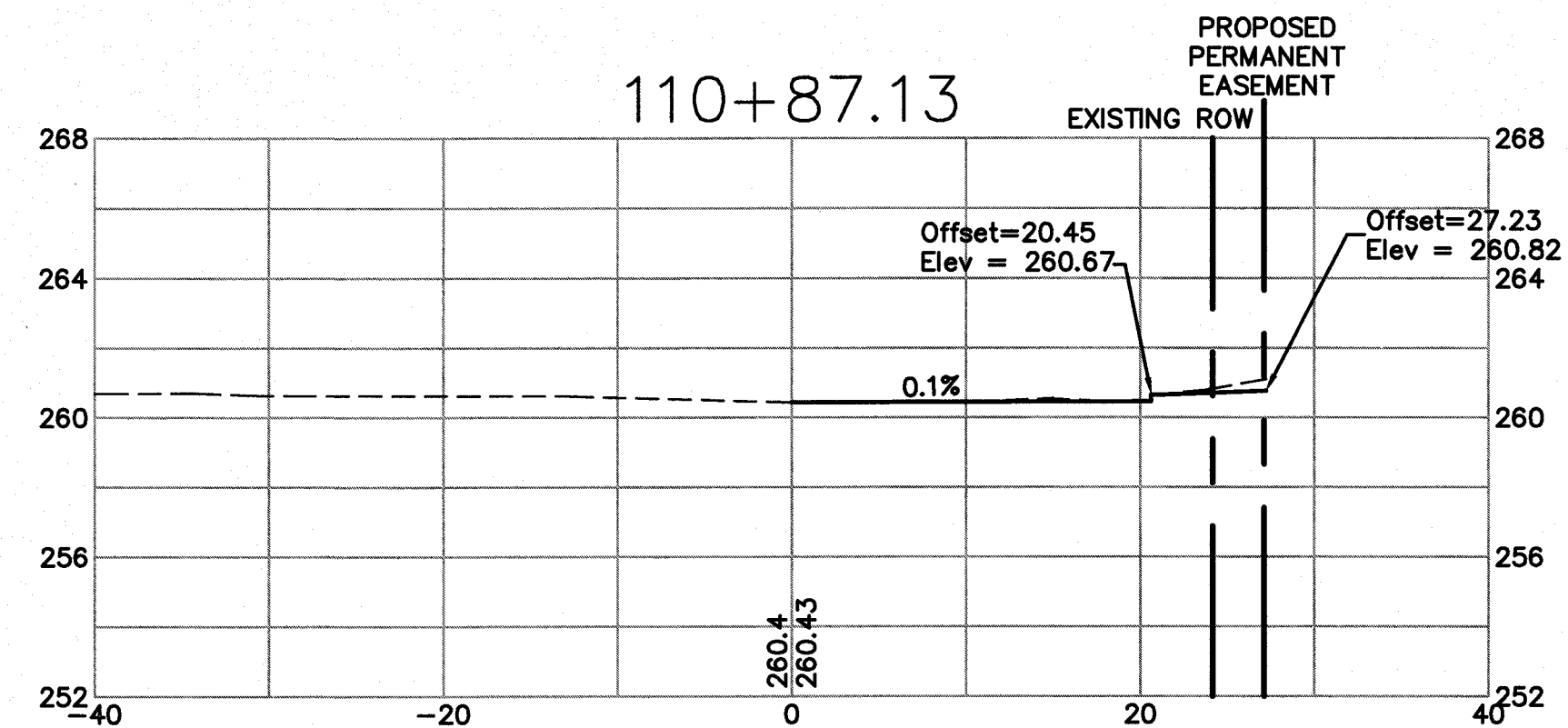
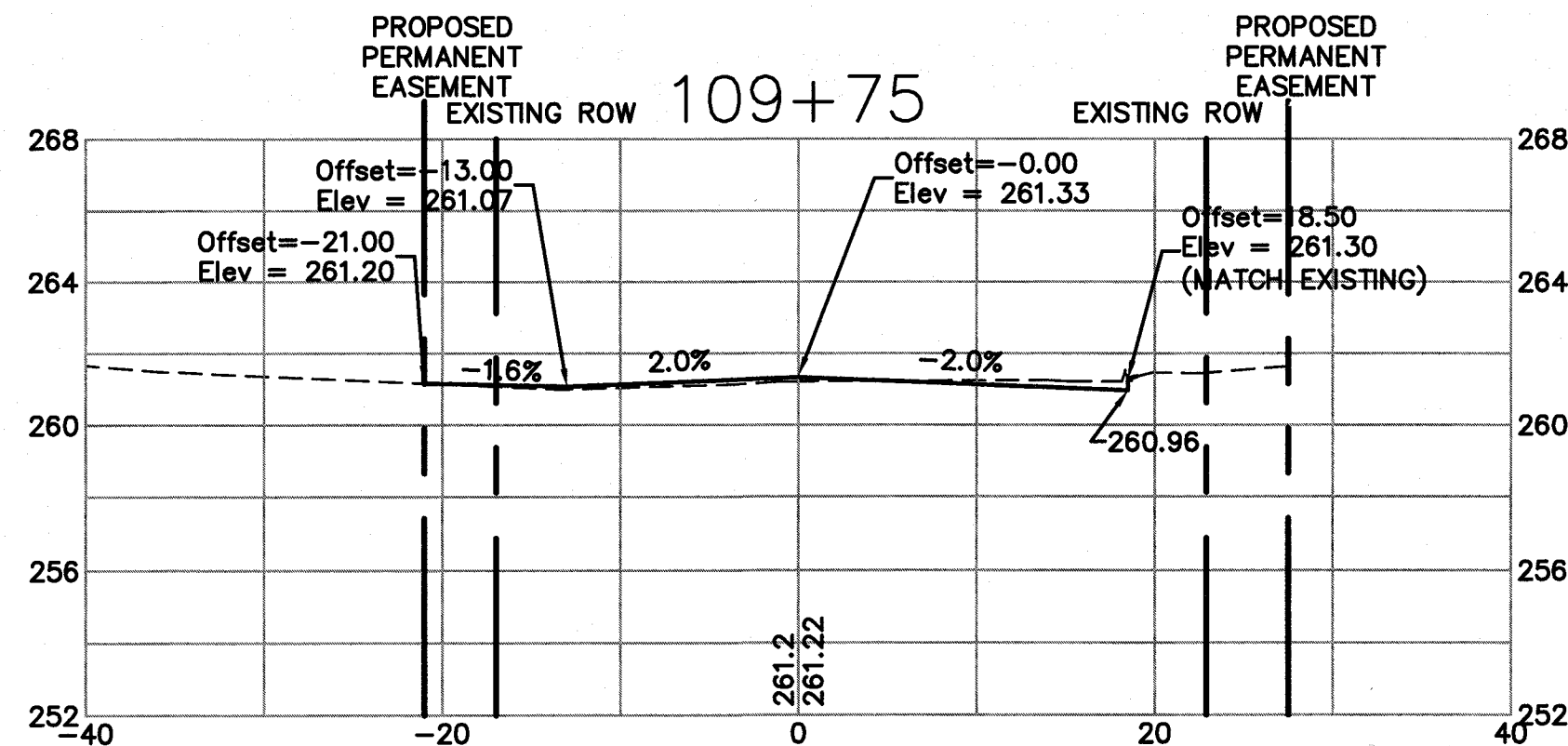
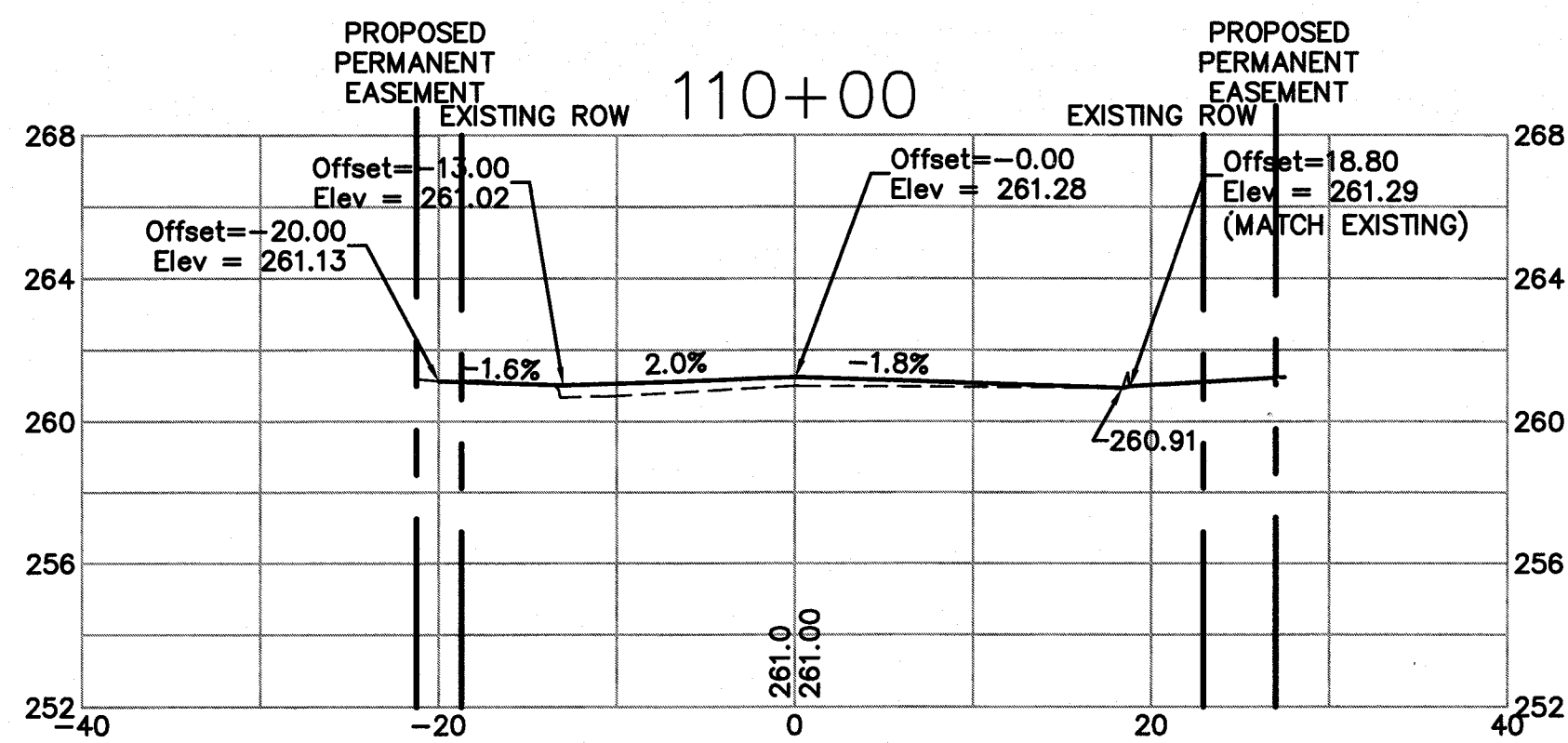
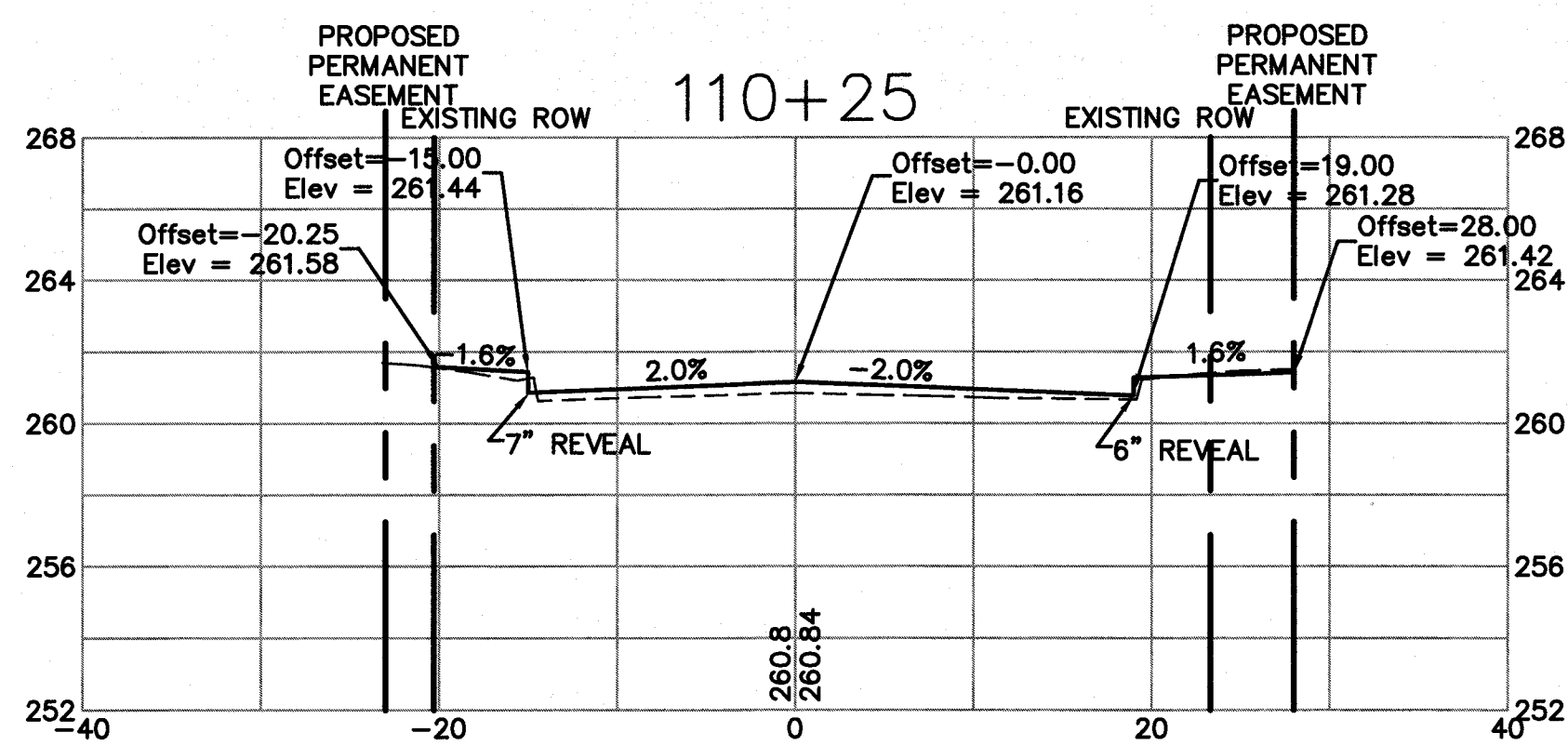
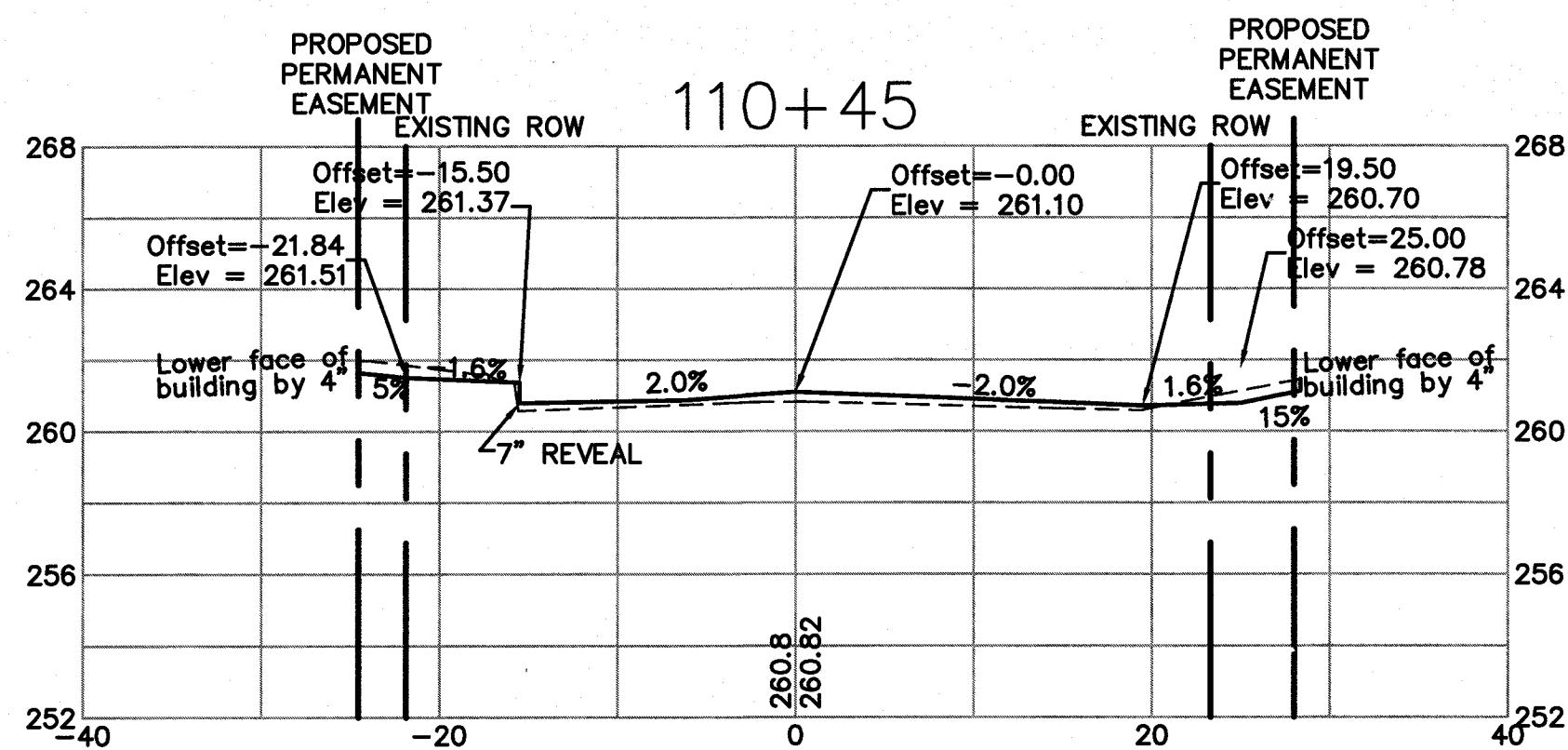


TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

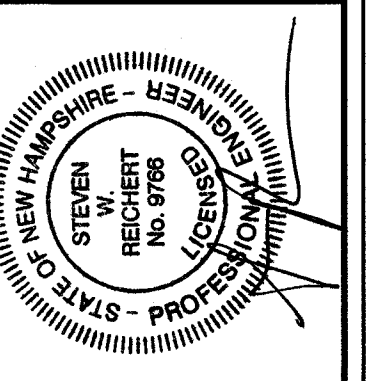
SOUTH STREET SIDEWALK
SOUTH STREET
MILFORD, NEW HAMPSHIRE
CROSS SECTIONS

SCALE: H 1" = 10' V 1" = 5'
DATE: JAN 2016
JOB NO. 07-0171
DWG. X4

ISSUED FOR CONSTRUCTION
NO. 1 DATE 1/14/16
DESIGNED: ELC/MFH
CHECKED: SWR/MWG
APPROVED: SWR



**X-A000(565)/14837 – MILFORD
SOUTH STREET IMPROVEMENT PROJECT
RECORD DRAWING**



TOWN OF MILFORD
1 UNION SQUARE
MILFORD, NH 03055

**SOUTH STREET
MILFORD, NEW HAMPSHIRE
CROSS SECTIONS**